



Nakamichi

Service Manual

Nakamichi

TD-700

TD-700E

TD-700D

Mobile Tuner/Cassette Deck



CONTENTS

1. General	2
2. Removal Procedures	3
2. 1. Top and Bottom Covers	3
2. 2. Front Panel Ass'y	3
2. 3. Control P.C.B. Ass'y and Front Chassis	3
2. 4. Volume P.C.B. Ass'y	3
2. 5. Tuner P.C.B. Ass'y	4
2. 6. Motor P.C.B. Ass'y	4
2. 7. Amp. P.C.B. Ass'y	4
2. 8. Transport Mechanism Ass'y	4
3. Test Tapes and Gauges	5
4. Mechanical Adjustments	5
4. 1. Tape Speed Adjustment	5
4. 2. Tape Guide Height Adjustment	5
4. 3. Playback Head Height Adjustment and Azimuth Alignment	6
4. 4. Torque Adjustment	6
5. Parts Location for Electrical Adjustment	7
6. Electrical Adjustment	7
6. 1. Cassette Deck Section	7
6. 2. Tuner Section (FM Adjustment)	8
7. Mechanism Ass'y and Parts List	9
7. 1. Synthesis	9
7. 2. Front Panel Ass'y (A01)	11
7. 3. Transport Mechanism Ass'y (A02)	12
7. 4. Azimuth Controller Ass'y (B01)	13
7. 5. Side Chassis Ass'y (B02)	13
7. 6. Cassette Holder Ass'y (B03)	14
7. 7. Transport Mechanism Sub Ass'y (B04)	15
7. 8. Loading Mechanism Ass'y (B05)	17
7. 9. Head Slider Ass'y (C01)	18
7. 10. Master Plate Ass'y (C02)	18
7. 11. Reel Mechanism Ass'y (C03)	19
7. 12. Solenoid Plate Ass'y (D01)	19
7. 13. Loading Arm Ass'y (D02)	19
7. 14. Head Base Arm Ass'y (D03)	19
7. 15. FF Arm Ass'y (E01)	20
7. 16. Rewind Arm Ass'y (E02)	20
8. Mounting Diagrams and Parts List	21
8. 1. Line Filter P.C.B. Ass'y	21
8. 2. Transistor P.C.B. Ass'y	21
8. 3. Shut-off P.C.B. Ass'y	21
8. 4. Lamp P.C.B. Ass'y	21
8. 5. Solenoid P.C.B. Ass'y	21
8. 6. Buffer Amp. P.C.B. Ass'y	22
8. 7. Control P.C.B. Ass'y	22
8. 8. Volume P.C.B. Ass'y	22
8. 9. Tone Volume P.C.B. Ass'y	23
8. 10. Motor P.C.B. Ass'y	24
8. 11. Tuner P.C.B. Ass'y	25
8. 12. Amp. P.C.B. Ass'y	31
8. 13. Logic P.C.B. Ass'y	33
9. Schematic Diagrams	38
9. 1. IC Block Diagrams	38
9. 2. Schematic Diagrams	39
10. Wiring Diagrams	42
11. Timing Chart	44
12. Block Diagrams	45
12. 1. Tuner and Amplifier Section	45
12. 2. Mechanism Control Section	45
13. Specifications	46

1. GENERAL

1.1. Packing Materials, Owner's Manual and Auxiliary Parts

Part No.	Description	Q'ty
0F03845A	Outer Carton TD-700	1
0F03853A	Outer Carton TD-700E	1
0F03836A	Outer Carton TD-700D	1
0F03822A	Inner Carton TD-700 (U.S.A.)	1
0F03823A	Inner Carton TD-700 (Canada, Australia, Others & Japan)	1
0F03827A	Inner Carton TD-700E	1
0F03835A	Inner Carton TD-700D	1
0F03831A	Packing	2
0F03832A	Sleeve	1
0D04479A	Owner's Manual TD-700/TD-500 (Japanese)	1
0D04480A	Owner's Manual TD-700/TD-500 (English)	1
0D04482A	Owner's Manual TD-700/TD-500, TD-700E/TD-500E & TD-700D/TD-500D (English/German/French)	1
0D04481A	French Text TD-700/TD-500 (Canada)	1
0B90003A	Fuse 0.5A	1
0B90042A	Fuse 10A	1
0B81287E	4P Terminal TD-700 & TD-700E	1
0B81281E	4P Terminal TD-700D	1
0B90057A	Mobile Stay (except Japan)	1
0B90057B	Ground Wire (except Japan)	1
0J04879A	U-shaped Grip (except Japan)	2
0H04459A	Trim Panel Rim (except Japan)	1
0J04879A	Sleeve Spacer A (thin type) (except Japan)	1
0J04880A	Sleeve Spacer B (thick type) (except Japan)	1
HA04665A	Mobile Traffic Information Processor TD-700	1

1.2. Note on Operation

If the Rewind button is pressed before the cassette tape loading process is completed, unexpected action may occur depending on the condition of the Mobile Tuner/Cassette Deck. The cassette tape may be ejected or played back unwillingly.

2. REMOVAL PROCEDURES

2.1. Top and Bottom Covers

Refer to Fig. 2.1.

- (1) Remove F01 (Mounting Sleeve).
- (2) Loosen screws F02 (1 pc.) and F03 (2 pcs.) and remove F04 (Top Cover).
- (3) Loosen screws F05 (1 pc.) and F06 (3 pcs.) and remove F07 (Bottom Cover).

2.2. Front Panel Ass'y

Refer to Fig. 2.2.

- (1) Remove the Top and Bottom Covers referring to item 2.1.
- (2) Loosen F01 and pull out knobs F02, F03 and F04.
- (3) Loosen F05 and remove F06 (Front Panel Ass'y including Cleaning Flap Ass'y).

2.3. Control P.C.B. Ass'y and Front Chassis

Refer to Fig. 2.2.

- (1) Remove the Front Panel Ass'y referring to item 2.2.
- (2) Loosen F07 and remove F08 (Control P.C.B. Ass'y).
- (3) Loosen F09 and F10 and remove F11, F12, F13 and F14.
- (4) Insert a small flat-blade screwdriver into the holes in the Main Chassis as shown in the figure and lift the upper part of the connector to unlock the flexible P.C.B. of the LCD Ass'y.
- (5) Disconnect connectors A and B and disassemble F15 (Front Chassis including LCD Ass'y, etc.).

2.4. Volume P.C.B. Ass'y

Refer to Fig. 2.2.

- (1) Remove the Front Chassis referring to item 2.3.
- (2) Loosen F16 and disassemble F17 and F18 (Volume P.C.B. Ass'y).

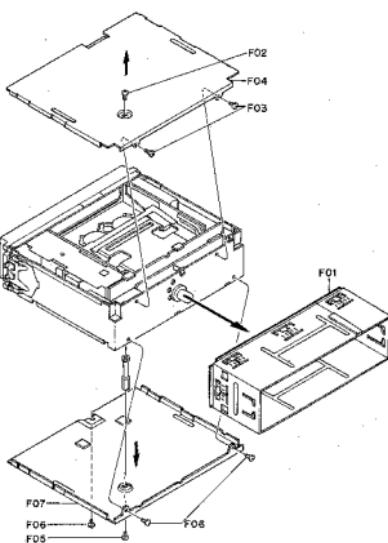


Fig. 2.1

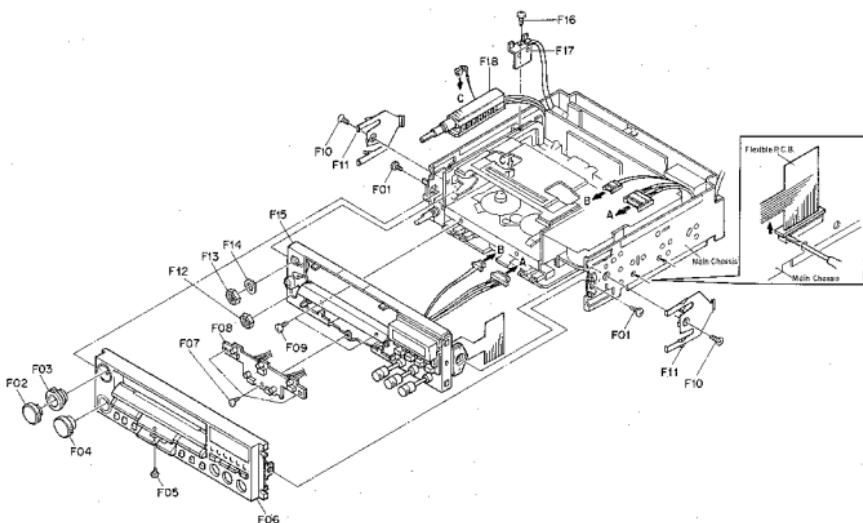


Fig. 2.2

2.5. Tuner P.C.B. Ass'y

Refer to Fig. 2.3.

- (1) Remove the Top and Bottom Covers referring to item 2.1.
- (2) Loosen F01, disconnect connectors A and B, and remove F02 (Tuner P.C.B. Ass'y) and F03.

2.6. Motor P.C.B. Ass'y

Refer to Fig. 2.3.

- (1) Remove the Top and Bottom Covers referring to item 2.1.
- (2) Loosen F04 and disconnect connectors C, D, E and F.
- (3) Remove F05 (Motor P.C.B. Insulator) and F06 (Motor P.C.B. Ass'y).

2.7. Amp. P.C.B. Ass'y

Refer to Fig. 2.3.

- (1) Remove the Top and Bottom Covers referring to item 2.1.
- (2) Remove the Tuner P.C.B. Ass'y and Motor P.C.B. Ass'y referring to items 2.5 and 2.6.
- (3) Loosen F07 and disconnect connector G.
- (4) Lift F08 (Amp. P.C.B. Ass'y), disconnect connectors H, I and J, and remove F08 (Amp. P.C.B. Ass'y).

2.8. Transport Mechanism Ass'y

Refer to Fig. 2.4.

- (1) Remove the Front Chassis and the Volume P.C.B. Ass'y referring to items 2.3 and 2.4.
- (2) Loosen F01, remove F02, and lift F03 (Motor P.C.B. Ass'y).
- (3) Disconnect connectors A, B, C and D.
- (4) Full out F04 (Amp. P.C.B. Ass'y) and disconnect connector E.
- (5) Loosen F05, lift F06 (Transport Mechanism Ass'y and Motor P.C.B. Ass'y), and disconnect connector F to separate F06.

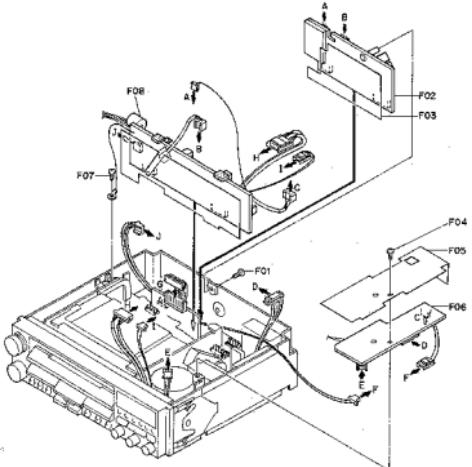


Fig. 2.3

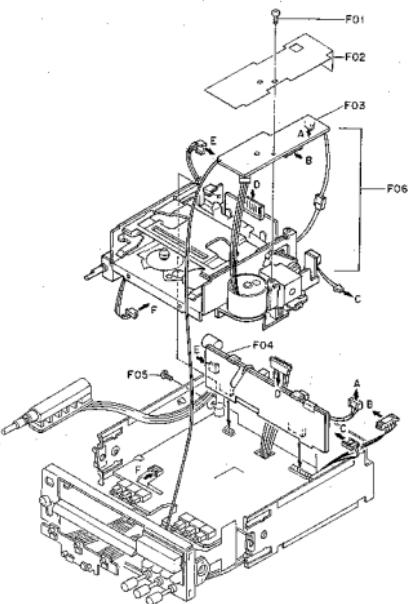


Fig. 2.4

3. TEST TAPES AND GAUGES

- (1) 1 kHz Track Alignment Tape (DA09007B)
- (2) 15 kHz Azimuth Tape (DA09004B)
- (3) 400 Hz Level Tape (DA09005B)
- (4) 3 kHz Speed & Wow/Flutter Tape (DA09006C)
- (5) Torque Gauge for Forward Playback (DA09082A)
- (6) Torque Gauge for F.F. & REW (DA09084A)
- (7) Head Alignment Gauge (DA09092A)

4. MECHANICAL ADJUSTMENTS

Note: Before adjustment, remove the Top and Bottom Covers referring to item 2.1.

4.1. Tape Speed Adjustment

Refer to Fig. 4.1.

- (1) Connect a frequency counter to Output Jack.
- (2) Load a 3 kHz Speed & Wow/Flutter Tape and play it back.
- (3) Adjust the potentiometer incorporated in the Main Motor Ass'y to obtain a 3 kHz reading on the frequency counter.

4.2. Tape Guide Height Adjustment

- (1) For Serial Nos.: C60502839 - (TD-700 & TD-700E) and C60701201 - (TD-700D)

Note: Remove the Cleaning Flap before loading the Head Alignment Gauge. When ejecting the Head Alignment Gauge pay attention so as not to strike against the Tape Slot Cover.

Refer to Fig. 4.2.

- (a) Turn the Azimuth Fine Tuning Control fully clockwise and then return it by 15 clicks to set it to the center position.
- (b) Load a base of the Head Alignment Gauge carefully and set the Mobile Tuner/Cassette Deck in Play mode.
- (c) Place a small block of the Head Alignment Gauge on the base.
- (d) Slide the small block against the Supply Tape Guide, and adjust the Tape Guide Height Adjustment Screw so that the small block is accepted by the Supply Tape Guide.

- (2) For Serial Nos.: C60501001 - 02838 (TD-700 & TD-700E) and C60701001 - 01200 (TD-700D)

Refer to Fig. 4.3.

- (a) Set the Azimuth Fine Tuning Control fully clockwise and then return it by 15 clicks to set it to the center position.
- (b) Connect a VTVM to the Output Jacks.
- (c) Load a 1 kHz Track Alignment Tape and play it back.
- (d) Turn the Tape Guide Height Adjustment Screw to obtain minimum readings on the VTVM for both channels.

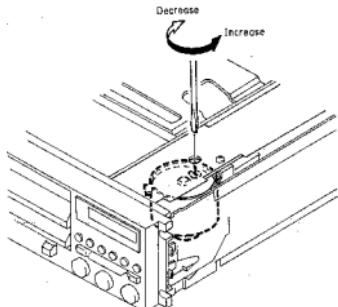


Fig. 4.1

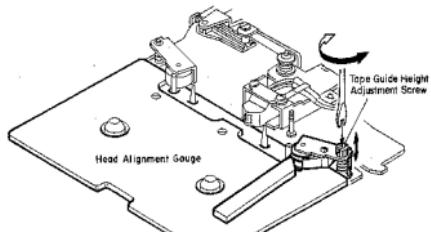


Fig. 4.2
Serial No.: C60502839 -
(TD-700 & TD-700E)
C60701201 - (TD-700D)

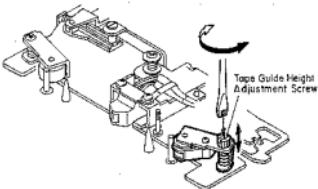


Fig. 4.3
Serial Nos.: C60501001 - 02838
(TD-700 & TD-700E)
C60701001 - 01200
(TD-700D)

4.3. Playback Head Height Adjustment and Azimuth Alignment

(1) For Serial Nos.: C60502839 - (TD-700 & TD-700E) and C60701201 - (TD-700D)

Refer to Fig. 4.4.

- Connect a VTVM to the Output Jacks.
- Set the Azimuth Fine Tuning Control to the center position referring to 4.2-(1)-(a).
- Load a 1 kHz Track Alignment Tape and play it back.
- Turn the Playback Head Height Adjustment Screw to obtain minimum readings on the VTVM for both channels.
- Load a 15 kHz Azimuth Alignment Tape and play it back.
- Turn the Azimuth Alignment Screw to obtain maximum readings on the VTVM for both channels.
- Repeat above steps (c) through (f) one or two times to obtain optimum performance.

(2) For Serial Nos.: C60501001 - 02838 (TD-700 & TD-700E) and C60701001 - 01200 (TD-700D)

Refer to Fig. 4.5.

- Connect a VTVM to the Output Jacks.
- Load a 15 kHz Azimuth Alignment Tape and play it back.
- Turn the Azimuth Alignment Screw to obtain maximum readings on the VTVM for both channels.

Note: Playback Head Height Adjustment Screw is not provided in these Models.

4.4. Torque Adjustment

Refer to Fig. 4.6.

- Load a Torque Gauge for Forward Playback.
- Set the Mobile Tuner/Cassette Deck in Play mode.
- Check whether the playback torque and back tension torque on the Gauge are as follows:
Playback torque: 35 g-cm -5 to +10 g-cm
Back tension torque: 10 g-cm ± 4 g-cm
- If the playback torque is out of the above range, turn the Playback Torque Adjustment Screw with a small flat-blade screwdriver to obtain a satisfactory result.
- Set the Mobile Tuner/Cassette Deck in Stop mode and then load a Torque Gauge for F.F. & REW.
- Set the Mobile Tuner/Cassette Deck in F.F. or Rewind mode and check that the torque is in the range shown below:
F.F./Rewind torque: 60 g-cm -10 to +40 g-cm (50 to 100 g-cm)

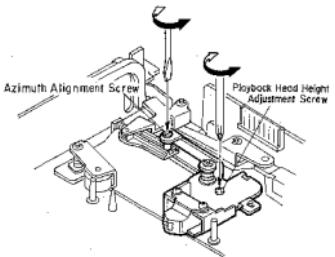


Fig. 4.4

Serial No.: C60502839 -
(TD-700 & TD-700E)
C60701201 - (TD-700D)

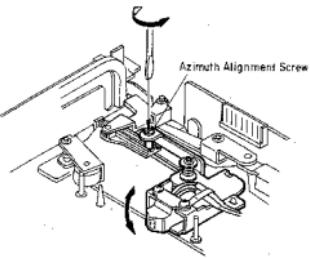
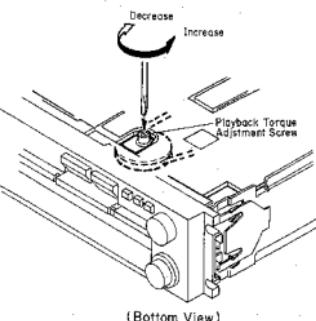


Fig. 4.5

Serial Nos.: C60501001 - 02838
(TD-700 & TD-700E)
C60701001 - 01200
(TD-700D)



(Bottom View)

Fig. 4.6

5. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

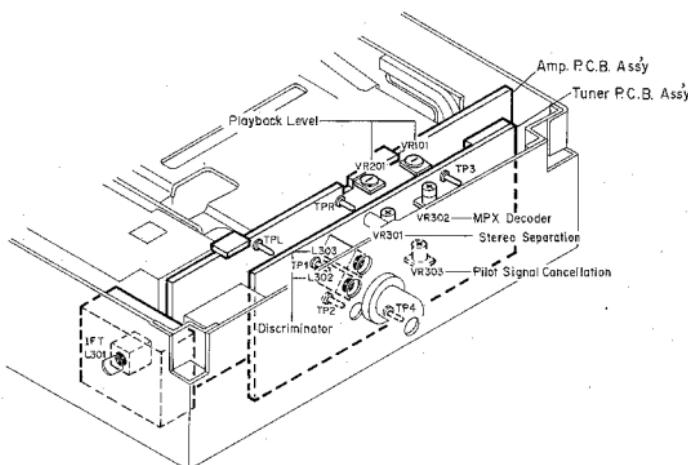


Fig. 5

6. ELECTRICAL ADJUSTMENTS

6.1. Cassette Deck Section

Note: Electrical adjustment should be performed after mechanical adjustment is completed.

STEP	ITEM	SIGNAL SOURCE	OUTPUT CONNECTION	MODE	ADJUST- MENT	REMARKS
1	Preliminary Step			Volume - Max. Fader, Balance - Center Bass, Mid, Treble - Center		Set the Mobile Tuner/Cassette Deck to the initial mode (see MODE).
2	Playback Level Adjustment	400 Hz Level Tape	VTVM to TPL, TPR on Amp. P.C.B.	Playback Eq. SW ~ 70 μ s	Amp. P.C.B., VR101, VR201	1. Load a 400 Hz level tape and play it back. 2. Adjust VR101 (VR201) to obtain 350 mV on the VTVM.

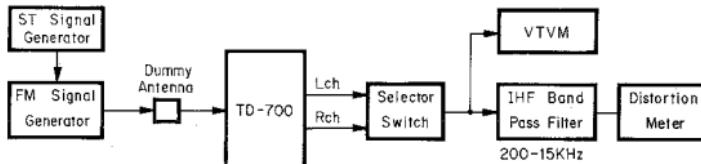


Fig. 6 Connection Diagram for FM Adjustment

6.2. Tuner Section (FM Adjustment)

Note: Adjustment should be made in a shielded room in principle.

STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS	STEP	ITEM	OUTPUT CONNECTION	MODE	ADJUST-MENT	REMARKS
1	Preliminary Step	See Fig. 6	Mobile Tuner/ Cassette Deck Dolby NR - OFF Band Selector - FM Volume - Max. Fader, Balance - Center Bass, Mid, Treble - Center		<p>1. Connect necessary instruments to the Mobile Tuner/Cassette Deck referring to connection diagram (Fig. 6).</p> <p>2. Set the Mobile Tuner/Cassette Deck to the initial mode (see MODE).</p> <p>Modulation Ratio: Stereo ID-700 (U.S.A. & Canada): Audio 1 kHz 90%, Pilot 19 kHz 10% ID-700 (Australia & Others), ID-700E & ID-700D: Audio 1 kHz 50%, Pilot 19 kHz 10%</p> <p>Mono ID-700 (U.S.A. & Canada): Audio 1 kHz 100% ID-700 (Australia & Others), ID-700E & ID-700D: Audio 1 kHz 60%</p>	5	Pilot Signal Cancel-lation Adjustment	Mobile Tuner/ Cassette Deck Same as above	Tuner P.C.B. VR303	<p>1. Set the modulation of the FM Generator as follows: o Cut audio signal 1 kHz o Apply only pilot 19 kHz 10%</p> <p>2. Adjust VR303 to obtain minimum readings on the VTVM for both channels. The minimum reading should be less than -40 dB.</p>	
2	IFT Adjustment		Mobile Tuner/ Cassette Deck Same as above	Front-end IFT Coil L301	With decreasing the RF level gradually from 65 dBf to 30 dBf, adjust IFT coil L301 to obtain minimum distortion. (Do not turn other components on the Front-end.)	6	Stereo Separation	Mobile Tuner/ Cassette Deck Same as above	Tuner P.C.B. VR301	<p>1. Cut the 1 kHz modulation of R channel of the stereo modulator. Namely, apply 1 kHz signal only to L channel.</p> <p>2. Adjust VR301 to obtain minimum reading for R channel on the VTVM.</p> <p>3. Apply 1 kHz signal only to R channel.</p> <p>4. Adjust VR301 to obtain minimum reading for L channel on the VTVM.</p> <p>5. Check whether the readings in 2 and 4 are less than -30 dB. If not, repeat 1 through 4 till satisfactory results are obtained.</p>	
3	MPX Decoder Adjustment	Frequency Counter to TP3 on Tuner P.C.B.	Mobile Tuner/ Cassette Deck Same as above	Tuner P.C.B. VR302	<p>1. Cut the RF signal applied to the Mobile Tuner/Cassette Deck.</p> <p>2. Adjust VR302 to obtain 76 kHz \pm1 kHz on the frequency counter.</p>	7	Offset Voltage Check on IC301	DC Millivoltmeter across IC301-14 and GND on Tuner P.C.B.	Mobile Tuner/ Cassette Deck Same as above	<p>Mobile Tuner/ Cassette Deck Same as above</p> <p>FM Generator Frequency - 98 MHz RF Level - 65 dBf Modulation - Mono</p>	<p>Note: This check will be required only if IF Amp. IC301 (LA1140) on the Tuner P.C.B. Ass'y is replaced with new one. At that time, conduct Step 3 (adjustment of L302 and L303 on Tuner P.C.B.) and then check the following:</p> <p>1. Set the modulation signal of FM generator to 1 kHz (Mono).</p> <p>2. Check whether the reading on the DC millivoltmeter is less than 5 mV.</p> <p>3. If not, replace with another LA1140 and repeat above 1 and 2 after re-adjustment of Step 3.</p>
4	Discrimi-nator Adjustment	DC Millivoltmeter between TP1 and TP2 on Tuner P.C.B.	Mobile Tuner/ Cassette Deck Same as above	Tuner P.C.B. L302, L303	<p>1. Turn L302 (black core) to obtain \pm50 mV on the DC millivoltmeter.</p> <p>2. Turn L303 (white core) to obtain minimum distortion on the distortion meter.</p> <p>3. Repeat above 2 and 3 two or three times.</p>						

7. MECHANISM ASS'Y AND PARTS LIST

7.1. Synthesis

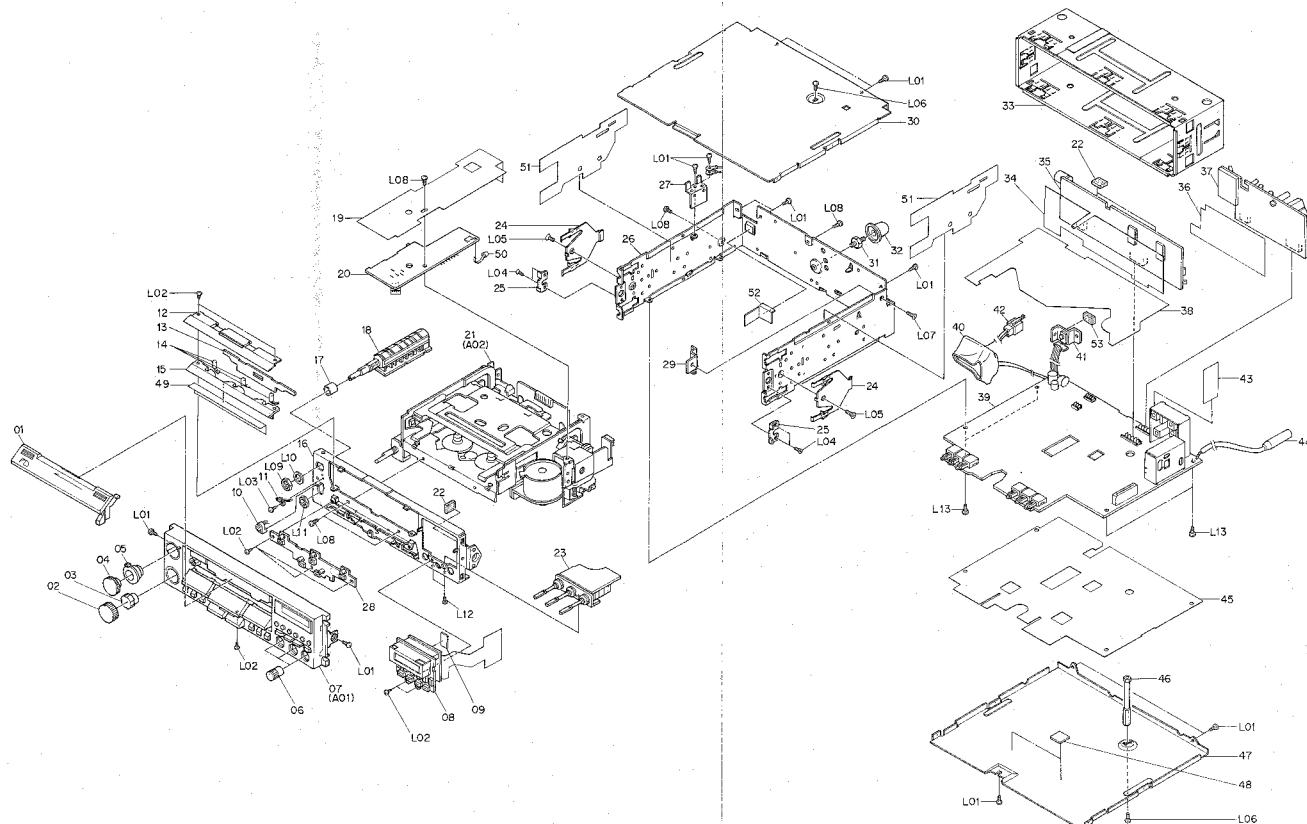


Fig. 7.1

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
		Synthesis		37	BA05423A	Tuner P.C.B. Ass'y TD-700 (Japan)	1
					BA05424B	Tuner P.C.B. Ass'y TD-700 (U.S.A. & Canada)	1
01	HA04783A	Cleaning Flap Ass'y TD-700	1		BA05458A	Tuner P.C.B. Ass'y TD-700 (Australia & Others), TD-700R & TD-700D	1
	HA04785A	Cleaning Flap Ass'y TD-700E	1				
	HA04784A	Cleaning Flap Ass'y TD-700D	1				
02	OH04455A	Azimuth Knob Cap	1	38	OJ04882B	Int. P.C.B. Ass'y TD-700	1
03	HA04674A	Azimuth Knob Ass'y	1	39	BA05618A	Logic P.C.B. Ass'y TD-700 (Japan) (Serial No.: C60503399 -)	1
04	HA04675A	Volume Knob Ass'y	1		BA05619A	Logic P.C.B. Ass'y TD-700 (U.S.A. & Canada) (Serial No.: C60503399 -)	1
05	OH04456A	Front Edge	1		BA05620A	Logic P.C.B. Ass'y TD-700 (Australia & Others) & TD-700R	1
06	OH04457A	Front Control Knob	1			(Serial No.: C60503399 -)	
07	HA04775A	Front Panel Ass'y TD-700 (Serial No.: C60502501 -)	1		BA05622A	Logic P.C.B. Ass'y TD-700D (Serial No.: C60503399 -)	1
	HA04776A	Front Panel Ass'y TD-700E (Serial No.: C60502501 -)	1		BA05407A	Logic P.C.B. Ass'y TD-700 (Japan) (Serial No.: C60501001 - 03398)	1
	HA04777A	Front Panel Ass'y TD-700D (Serial No.: C60501001 - 01200 -)	1		BA05427A	Logic P.C.B. Ass'y TD-700 (U.S.A. & Canada) (Serial No.: C60501001 - 03398)	1
	HA04677C	Front Panel Ass'y TD-700 (Serial Nos.: C60501001 - 02500 -)	1		BA05451A	Logic P.C.B. Ass'y TD-700 (Australia & Others) & TD-700E	1
	HA04679C	Front Panel Ass'y TD-700E (Serial Nos.: C60501001 - 02500 -)	1		BA05452A	Logic P.C.B. Ass'y TD-700D (Serial Nos.: C60501001 - 01250 -)	1
	HA04681C	Front Panel Ass'y TD-700D (Serial Nos.: C60501001 - 01200 -)	1			Logic P.C.B. Ass'y includes the following	
08	BA05485A	LCD Ass'y TD-700 (Japan)	1			(Line Filter P.C.B. Ass'y)	(1)
	BA05486A	LCD Ass'y TD-700 (U.S.A. & Canada)	1			(Transistor P.C.B. Ass'y)	(1)
	BA05487A	LCD Ass'y TD-700 (Australia & Others), TD-700E & TD-700D (LCD Ass'y includes the following)	1			(4P Terminal TD-700 & TD-700E)	(1)
09	(BA05516A)	(Butter Ass'y, P.C.B. Ass'y (except for Japan))	(1)			(4P Terminal TD-700D)	(1)
10	BA05435A	Illumination Lamp Ass'y	1	40	BA05501A	Tuner Insulator B	1
11	OB70029A	Flit Switch	1	41	OB05497A	Antenna Cable	1
12	OH04474B	Illuminator Cover	1	42	OB81268B	Insulator B	1
13	OB60121A	Control Lamp P.C.B.	1		OB81272B	Stud	1
14	OB90030A	Lamp 14V 65mA	3	43	OJ04898A	Bottom Cover	1
15	OH04670B	Illuminator B	1	44	OJ04896A	Heat Sink Sheet	2
16	OB90031A	Front Chassis	1	45	OJ04897A	Illuminator B Sheet	1
17	OJ04853A	Spacer	1	46	OJ04898A	Band EG-9	1
18	BA05422A	Volume P.C.B. Ass'y TD-700 & TD-700E	1	47	OJ04899A	Insulator C	2
	BA05466A	Volume P.C.B. Ass'y TD-700D	1	48	OJ04895C	Wing Supporter	1
19	OJ04887B	Motor P.C.B. Insulator	1	49	OJ04896B	Cushion B	1
20	BA05414B	Motor P.C.B. Ass'y	1	50	OJ04897A	Ceramic Capacitor 0.022μ 25V (TD-700)	1
21	CA08716A	Transport Mechanism Ass'y (Serial No.: C60503399 - (TD-700 & TD-700E)) (Serial No.: C60701251 - (TD-700D))	1	51	OJ04898A	(TD-700D)	1
		(Serial No.: C60701251 - (TD-700D))	1	52	OJ04899A	ST2.6x5 8 Binding	12
		(Serial No.: C60701001 - 01250 - (TD-700D))	1	53	OJ04897A	ST2.6x4 8 Binding	8
22	OJ04892A	Cushion A	3	54	OJ04898A	M2x4 8 Plan	1
23	BA05613A	Tone Volume P.C.B. Ass'y (Serial No.: C60503551 - (TD-700 & TD-700E)) (Serial No.: C60701301 - (TD-700D))	1	55	OJ04899A	M2x5 8 Countersunk	4
	BA05421A	Tone Volume P.C.B. Ass'y (Serial No.: C60501001 - 03550 - (TD-700 & TD-700E)) (Serial No.: C60701001 - 01300 - (TD-700D))	1	56	OJ04897A	M2x5 8 Countersunk	2
24	OJ04873B	Sleeve Lock Plate (except for Japan)	2	57	OJ04898A	M2.6x5 8 Binding	1
25	OJ04864A	Sleeve Stopper (except for Japan)	2	58	OJ04899A	M2.6x5 8 Binding	5
26	OJ04864A	Main Chassis	1	59	—	Nut	(1)
27	OH04449E	Arm Protector	1	60	OJ04898A	Washer	(1)
28	OJ04890A	Control P.C.B. Ass'y	1	61	OJ04897A	Nut Hex. M3	1
29	BA05415A	Cable Holder	1	62	OJ04898A	M2x4 8 Flat	2
30	OJ04856A	Top Cover	1	63	OJ04899A	ST2.6x6 8 Binding	4
31	OH04440F	Top Screw (except for Japan)	1				
32	OJ04850A	Bubble Cap (except for Japan)	1				
33	OJ04870A	Mounting Sleeve (except for Japan)	1				
34	OJ04852D	Amp. P.C.B. Insulator	1				
35	OJ04885B	Amp. P.C.B. Ass'y (Serial No.: C60503551 - (TD-700 & TD-700E)) (Serial No.: C60701301 - (TD-700D))	1				
	BA05476B	Amp. P.C.B. Ass'y (Serial No.: C60501001 - 03550 - (TD-700 & TD-700E)) (Serial No.: C60701001 - 01300 - (TD-700D))	1				
36	OJ04886B	Tuner P.C.B. Insulator	1				

7.2. Front Panel Ass'y (A01)

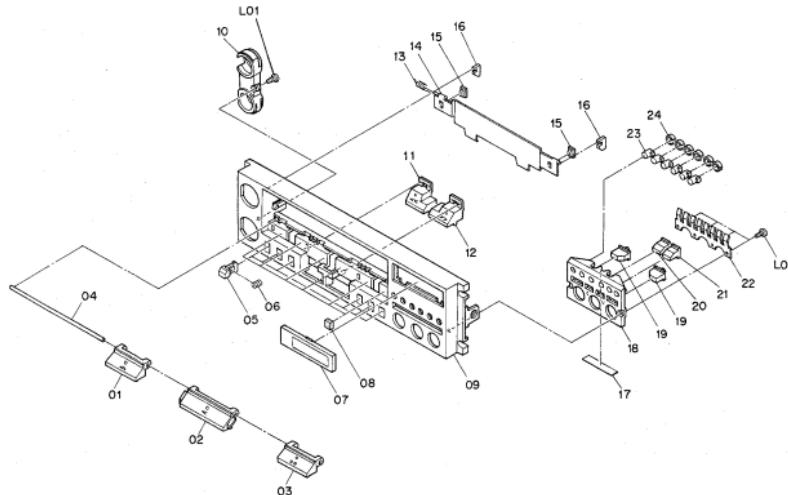


Fig. 7.2

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
A01	HA04775A	Front Panel Ass'y TD-700	1	A01	HA04677C	Front Panel Ass'y TD-700	1
	HA04776A	Front Panel Ass'y TD-700E	1		HA04679C	Front Panel Ass'y TD-700E	1
	HA04778A	Front Panel Ass'y TD-700D	1		HA04681C	Front Panel Ass'y TD-700D	1
	Serial No.: C60502501 - C60701201				Serial Nos.: C60501001 - C605010200 C60701001 - C607010200		
01	HA04709A	Eject Button Ass'y	1	01	HA04709A	Eject Button Ass'y	1
02	HA04709B	Play Button Ass'y	1	02	HA04709B	Play Button Ass'y	1
03	HA04710A	Push Button Ass'y	1	03	HA04710A	Push Button Ass'y	1
04	0J04868A	Shaft	1	04	0J04868A	Shaft	1
05	HA04778A	Push Button Ass'y	6	05	HA04778A	Push Button Ass'y	6
06	0J04849A	Push Button Spring	6	06	0J04849A	Push Button Spring	6
07	0H04460B	LCD Lens	1	07	0H04460A	LCD Lens	1
08	0J04878A	Cushion	6	08	0J04878A	Cushion	6
09	0H04477C	Front Panel	1	09	0H04477C	Front Panel	1
10	0H04477C	Indicator C	1	10	0H04462B	Indicator C	1
11	HA04713A	FF Button Ass'y	1	11	HA04713A	FF Button Ass'y	1
12	HA04714A	Rewind Button Ass'y	1	12	HA04714A	Rewind Button Ass'y	1
13	0J04850B	Spring	1	13	0J04850B	Spring	1
14	0H04491C	Tape Slot Cover TD-700	1	14	0H04491C	Tape Slot Cover TD-700	1
	0H04503C	Tape Slot Cover TD-700E	1		0H04503C	Tape Slot Cover TD-700E	1
	0H04508C	Tape Slot Cover TD-700D	1		0H04508C	Tape Slot Cover TD-700D	1
15	0H04492C	Tape Slot Cover Protector	2	15	0H04463C	Tape Slot Cover Protector	2
16	0J04902A	Guide	2	16	0J04902A	Guide	2
17	0J04891A	Sheet	1	17	0J04891A	Sheet	1
18	0H04469B	Illuminator D	1	18	0H04469A	Illuminator D	1
19	0H04483A	Up/Down Button	2	19	0H04483A	Up/Down Button	2
20	0H04482A	Scan Button	1	20	0H04482A	Scan Button	1
21	0H04484A	Memory Button	1	21	0H04484A	Memory Button	1
22	0J04846A	Button Spring	1	22	0J04846A	Button Spring	1
23	0H04473A	Station Button	6	23	0H04473A	Station Button	6
24	0J04846B	Reflector	6	24	0J04846B	Reflector	6
L01	0E00961A	BT2x5 ⑤ Binding	5	L01	0E00961A	BT2x5 ⑤ Binding	5

7.3. Transport Mechanism Ass'y (A02)

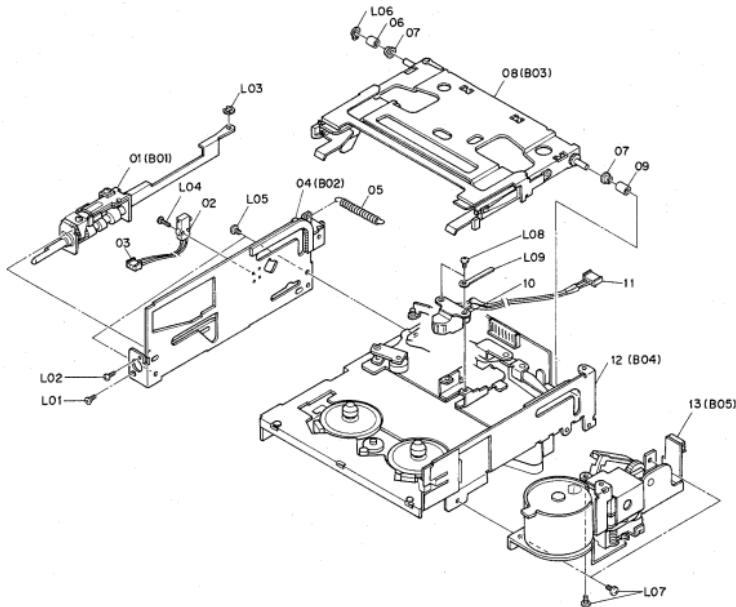


Fig. 7.3

Schematic Ref. No.	Part No.	Description	Qty	Schematic Ref. No.	Part No.	Description	Qty
A02	CA08716A	Transport Mechanism Ass'y Serial No.: C605032399 - C60701251 -	1	A02	CA08661B	Transport Mechanism Ass'y Serial Nos.: C60501001 - 03398 C60701001 - 01250	1
01	CA08687A	Azimuth Controller Ass'y	1	01	CA08687A	Azimuth Controller Ass'y	1
02	OB70028A	Eject Switch	1	02	OB70028A	Eject Switch	1
03	OB8229B	2P Coupler	1	03	OB8229B	2P Coupler	1
04	CA08686A	Side Chassis Ass'y	1	04	CA08686A	Side Chassis Ass'y	1
05	OC08868A	Spring A	1	05	OC08868A	Spring A	1
06	OC08798A	Guide Collar B	1	06	OC08798A	Guide Collar B	1
07	OC08797A	Guide Roller A	2	07	OC08797A	Guide Roller A	2
08	CA08665A	Cassette Holder Ass'y	1	08	CA08665A	Cassette Holder Ass'y	1
09	OC08798A	Guide Collar C	1	09	OC08798A	Guide Collar C	1
10	GA02203B	P2C-3L Playback Head	1	10	GA02203B	P2C-3L Playback Head	1
11	OB82302A	4P-H Connector	1	11	OB82302A	4P-H Connector	1
12	CA08717A	Transport Mechanism Sub Ass'y	1	12	CA08663A	Transport Mechanism Sub Ass'y	1
13	CA08667A	>Loading Mechanism Ass'y	1	13	CA08667A	Loading Mechanism Ass'y	1
L01	OE03189A	M2x3 ④ Countersunk (Black Chromate)	1	L01	OE03189A	M2x3 ④ Countersunk (Black Chromate)	1
L02	OE03216A	M1.4x2.5 ⑥ Pan (Black Chromate)	1	L02	OE03216A	M1.4x2.5 ⑥ Pan (Black Chromate)	1
L03	OE00222A	E-Ring 2mm	1	L03	OE00222A	E-Ring 2mm	1
L04	OE03185A	M1.7x6 ⑥ Pan	1	L04	OE03185A	M1.7x6 ⑥ Pan	1
L05	OE03186A	M2.6x2.8 ⑧ Pan (Black Chromate)	2	L05	OE03186A	M2.6x2.8 ⑧ Pan (Black Chromate)	2
L06	OE00839A	Grip 2.5mm	1	L06	OE00839A	Grip 2.5mm	1
L07	OE00120A	M2x3.8 ⑥ Pan (Black Chromate)	3	L07	OE00120A	M2x3.8 ⑥ Pan (Black Chromate)	3
L08	OE00783A	M2x3 ④ Pan (Black Chromate)	2	L08	OE00783A	M2x3 ④ Pan (Black Chromate)	2
L09	OC08858A	Wire Clamper	1	L09	OC08858A	Wire Clamper	1

7.4. Azimuth Controller Ass'y (B01)

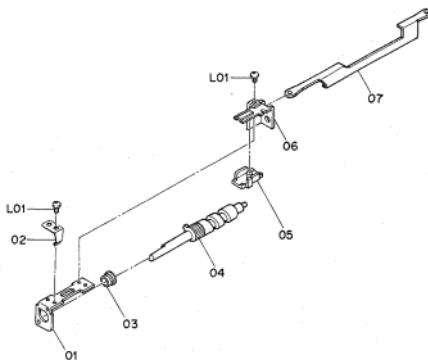


Fig. 7.4

7.5. Side Chassis Ass'y (B02)

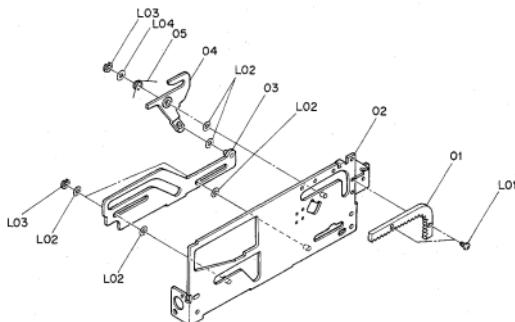


Fig. 7.5

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
B01	CA08687A	Azimuth Controller Ass'y Serial No.: C60501001 - C60701001 -	1	B02	CA08686A	Side Chassis Ass'y Serial No.: C60501001 - C60701001 -	1
01	OC08850B	Azimuth Cam Holder A	1	01	OC08828B	Rack Rail L	
02	OC08856A	Plate Spring	1	02	CA08685A	Side Chassis L Ass'y	1
03	OC08896A	Cam Holder	1	03	CA08643B	G-Shaped Plate Ass'y	1
04	OC08877B	Azimuth Cam B	1	04	CA08644A	Slide Arm Ass'y	1
05	OC08851A	Joint Bar	1	05	OC08851A	Joint Bar	1
06	OC088513A	Azimuth Cam Holder B	1	01	OE03182A	M1.7x2.2 Ø Pan (Black Chromate)	2
07	OC08853A	Joint Bar	1	02	OE03062A	Mylar Washer 2.6mm 2.6x5x0.25	6
L01	OE00922A	M2x3 Ø Pan (Black Chromate)	2	03	OE00222A	E-Ring 2mm	3
				04	OE03180A	Mylar Washer 2.6mm 2.6x6x0.25	1

7.6. Cassette Holder Ass'y (B03)

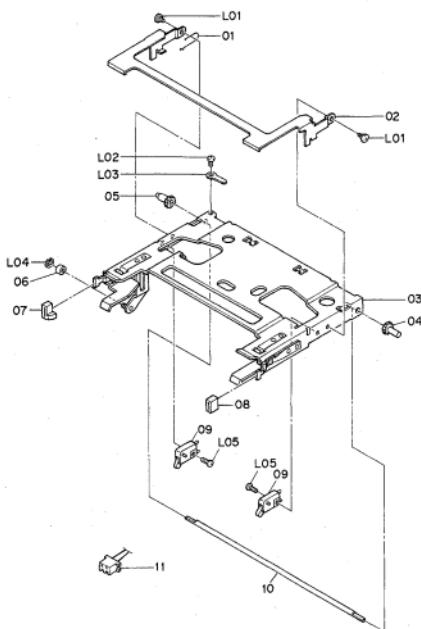


Fig. 7.6

Schematic Ref. No.	Part No.	Description	Q'ty
B03	CA08665A	Cassette Holder Ass'y Serial No.: C60501001 - C60701001 -	1
01	OC08890C	Plate Spring	1
02	OC08860F	Plate	1
03	CA08674D	Cassette Holder Sub Ass'y	1
04	OC08847A	Pinion Gear R	1
05	OC08846A	Pinion Gear L	1
06	OC088786A	Roller 1.5x4x2.5	1
07	OC088785A	Cassette Guide L	1
08	OC08887B	Cassette Guide R	1
09	OB70001A	Leaf Switch	1
10	OC08800B	Pinion Shaft	2
11	OB82301A	2P Coupler	1
L01	OE03208A	M1.4x2.55 \oplus	2
L02	OE03190A	ST1.7x3 \oplus Pan (Black Chromate)	1
L03	OE03185A	Earth Lug 2mm	1
L04	OE00163A	E-Ring 1.2mm	1
L05	OE03184A	M1.7x5.5 \oplus Pan (Black Chromate)	2

7.7. Transport Mechanism Sub Ass'y (B04)

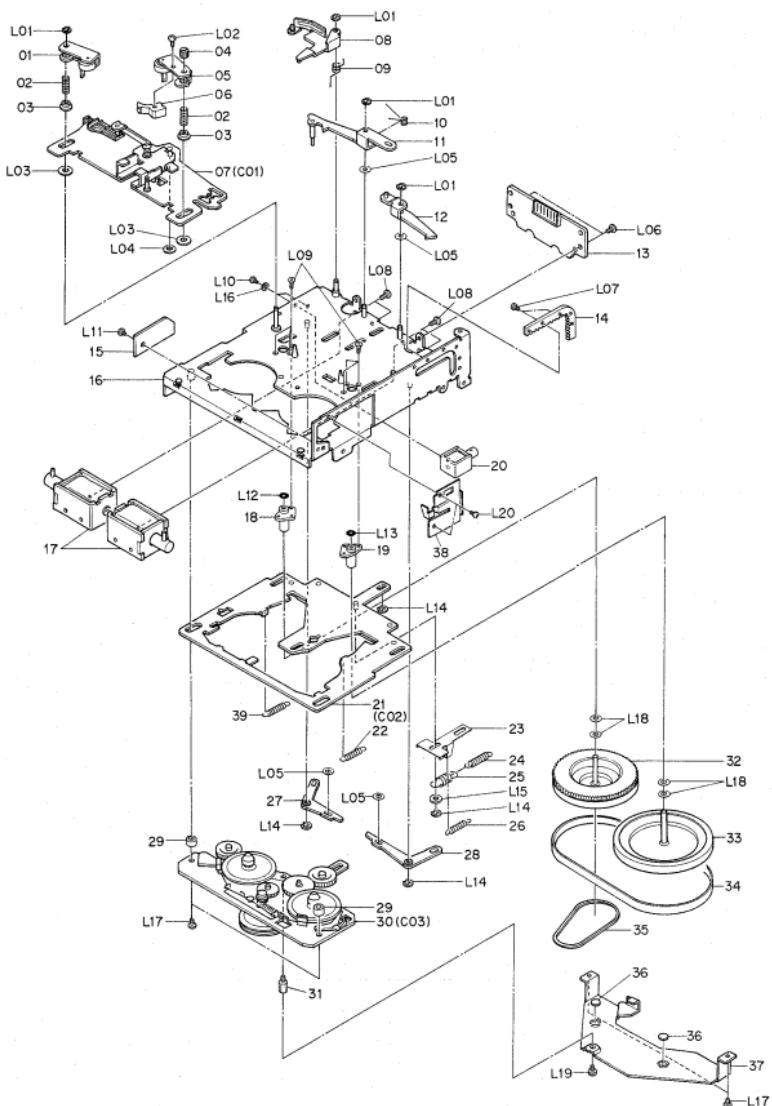


Fig. 7.7

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
BO4	CA08717A	Transport Mechanism Sub Ass'y	1	BO4	CA08663A	Transport Mechanism Sub Ass'y	1
		Serial No.: C6050103398 -				Serial No.: C60501001 - 03398	
		C60701251 -				C60701001 - 01250	
01	CA08617B	Take-up Pressure Roller Arm Sub Ass'y	1	01	CA08617B	Take-up Pressure Roller Arm Sub Ass'y	1
02	OC08878A	Pressure Roller Adjust Spring	2	02	OC08878A	Pressure Roller Adjust Spring	2
03	OC08691A	Roller Arm Sleeve	2	03	OC08691A	Roller Arm Sleeve	2
04	OC08694A	Pressure Roller Height Adjust Nut	1	04	OC08694A	Pressure Roller Height Adjust Nut	1
05	CA08618A	Supply Pressure Roller Arm Sub Ass'y	1	05	CA08618A	Supply Pressure Roller Arm Sub Ass'y	1
06	OC08756A	Tape Guide	1	06	OC08756A	Tape Guide	1
07	CA08679A	Head Slider Ass'y	1	07	CA08679A	Head Slider Ass'y	1
08	CA08656A	Azimuth Arm Ass'y	1	08	CA08656A	Azimuth Arm Ass'y	1
09	OC08891A	Azimuth Arm Spring	1	09	OC08891A	Azimuth Arm Spring	1
10	OC08892A	Azimuth Arm	1	10	OC08892A	Azimuth Arm	1
11	CA08622D	Play Lock Plate Ass'y	1	11	CA08622D	Play Lock Plate Ass'y	1
12	CA08623C	REW Lock Plate Ass'y	1	12	CA08623C	REW Lock Plate Ass'y	1
13	BA05430A	Solenoid P.C.B. Ass'y	1	13	BA05430A	Solenoid P.C.B. Ass'y	1
14	OC08829A	Rack Gear R	1	14	OC08829A	Rack Gear R	1
15	OC08817B	Guide Plate	1	15	OC08817B	Guide Plate	1
16	CA08657F	Mechanism Chassis Ass'y	1	16	CA08657F	Mechanism Chassis Ass'y	1
17	08000000000000000000	Supply Flange Metal G-225	2	17	08000000000000000000	Main Solenoid G-225	2
18	CA08629A	Take-up Flange Metal Ass'y	1	18	CA08629A	Take-up Flange Metal Ass'y	1
19	CA08630A	Supply Flange Metal Ass'y	1	19	CA08630A	Supply Flange Metal Ass'y	1
20	OB90028B	Lock Solenoid G-413	1	20	OB90028B	Lock Solenoid G-413	1
21	CA08674A	Master Plate Ass'y	1	21	CA08674A	Master Plate Ass'y	1
22	OC08854A	Pressure Roller Spring	1	22	OC08854A	Pressure Roller Spring	1
23	OC08679D	Centering Plate	1	23	OC08679D	Centering Plate	1
24	OC08828A	Centering Spring	1	24	OC08828A	Centering Spring	1
25	OC08840B	Head Base Spring	1	25	OC08840B	Head Base Spring	1
26	OC08877A	Centering Spring	1	26	OC08877A	Centering Spring	1
27	CA08612B	Solenoid Arm L Ass'y	1	27	CA08612B	Solenoid Arm L Ass'y	1
28	CA08613B	Solenoid Arm R Ass'y	1	28	CA08613B	Solenoid Arm R Ass'y	1
29	CO08703A	Slide Base Collar	2	29	CO08703A	Slide Base Collar	2
30	CA08713A	Reel Mechanism Ass'y	1	30	CA08713A	Reel Mechanism Ass'y	1
31	OC08800A	Thrust Stud	1	31	OC08800A	Thrust Stud	1
32	CA08609C	Take-up Flywheel Ass'y	1	32	CA08609C	Take-up Flywheel Ass'y	1
33	CA08610B	Supply Flywheel Ass'y	1	33	CA08609C	Take-up Flywheel Ass'y	1
34	CO08781A	Capstan Belt	1	34	CO08781A	Capstan Belt	1
35	OC08782A	V. Pulley Belt	1	35	OC08782A	V. Pulley Belt	1
36	OC08692A	Thrust Plate	2	36	OC08692A	Thrust Plate	2
37	OC08752B	Flywheel Plate B	1	37	OC08752B	Flywheel Plate B	1
38	OC08801A	Cover Plate	1	38	OC08801A	Cover Plate	1
39	OC08998A	Take-up Pressure Roller Spring	1	39	OC08998A	Take-up Pressure Roller Spring	1
L01	OE000042A	E-Ring 1.5mm	4	L01	OE000042A	E-Ring 1.5mm	4
L02	OE00841A	BT2x4 ⑧Pan	1	L02	OE00841A	BT2x4 ⑧Pan	1
L03	OC08826C	Slide Washer A	2	L03	OC08826C	Slide Washer A	2
L04	OC08827B	Slide Washer B	1	L04	OC08827B	Slide Washer B	1
L05	OE03196A	Mylar Washer 2.6mm 2.6x5x0.125	4	L05	OE03196A	Mylar Washer 2.6mm 2.6x5x0.125	4
L06	OE03197A	M2.6x2.8 ⑧Pan (Black Chromate)	2	L06	OE03197A	M2.6x2.8 ⑧Pan (Black Chromate)	2
L07	OE03198A	M2.6x2.8 ⑧Pan (Black Chromate)	2	L07	OE03198A	M2.6x2.8 ⑧Pan (Black Chromate)	2
L08	OE03241A	M3x4 ⑧ Binding	4	L08	OE03241A	M3x4 ⑧ Binding	4
L09	OE03189A	M2x3 ⑧ Countersunk (Black Chromate)	6	L09	OE03189A	M2x3 ⑧ Countersunk (Black Chromate)	6
L10	OE03246A	M1.6x3 ⑧ Pan (Black Chromate)	2	L10	OE03246A	M1.6x3 ⑧ Pan (Black Chromate)	2
L11	OE03186A	M2.6x2.8 ⑧Pan (Black Chromate)	1	L11	OE03186A	M2.6x2.8 ⑧Pan (Black Chromate)	1
L12	OE03200A	Nylon Washer 2mm 2.0x3.5x0.13	1	L12	OE03200A	Nylon Washer 2mm 2.0x3.5x0.13	1
L13	OE03201A	Nylon Washer 2.3mm 2.3x3.5x0.13	1	L13	OE03201A	Nylon Washer 2.3mm 2.3x3.5x0.13	1
L14	OE00222A	E-Ring 2mm	4	L14	OE00222A	E-Ring 2mm	4
L15	OE03206A	Nylon Washer 3.1x6x0.5	1	L15	OE03206A	Nylon Washer 3.1x6x0.5	1
L16	OE03199A	Washer 1.8x3.8x0.3 (Nickel)	2	L16	OE03199A	Washer 1.8x3.8x0.3 (Nickel)	2
L17	OE00120A	M2.6x3 ⑧ Pan	4	L17	OE00120A	M2.6x3 ⑧ Pan	4
L18	OE03062A	Mylar Washer 2.6mm 2.6x5x0.25	4	L18	OE03062A	Mylar Washer 2.6mm 2.6x5x0.25	4
L19	OE03242A	M2.6x3 Hex. Socket Head	1	L19	OE03242A	M2.6x3 Hex. Socket Head	1
L20	OE03243A	M2x2.5 ⑧ Pan	2	L20	OE03243A	M2x2.5 ⑧ Pan	2

7.8. Loading Mechanism Ass'y (B05)

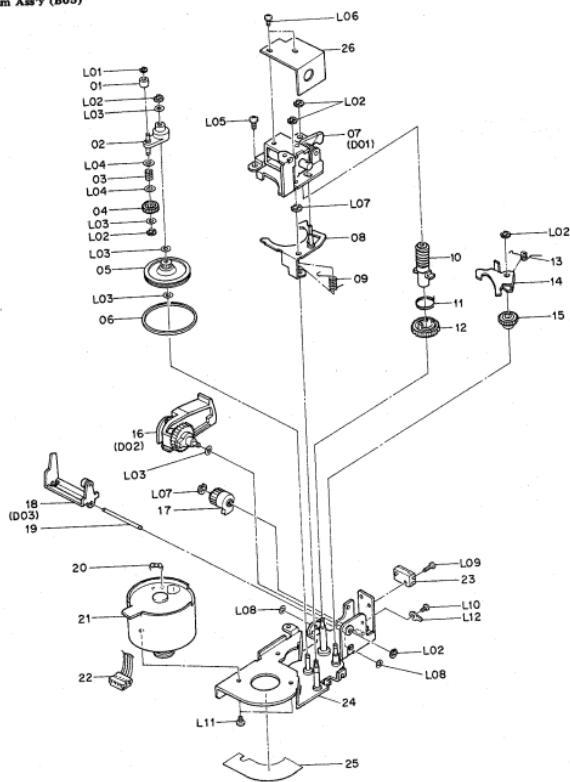


Fig. 7.8

Schematic Ref. No.	Part No.	Description	Q'ty
B05	CA08667A	Loading Mechanism Ass'y Serial No.: C60501001 - C60701001 -	1
01	OC08612A	Idle Roller L	1
02	CA08655A	P Arm L Ass'y	1
03	OC08672A	Function Spring	1
04	OC08840A	Idle Gear L	1
05	OC08842B	Loading Pulley	1
06	OC08784B	Loading Belt	1
07	CA08677A	Solenoid Plate Ass'y	1
08	OC08678A	Electro Plate Ass'y	1
09	OC08674A	Electro Arm Spring	1
10	OC08844C	Worm Gear	1
11	OC08873B	Flexible Spring	1
12	OC08839B	Loading Gear A	1
13	OC08871A	Loading Arm Spring C	1
14	OC08831B	Loading Arm C	1
15	OC08831A	Idle Gear	1
16	CA08675A	Loading Arm Ass'y	1
17	OC08798B	Head Base Cam Gear	1
18	CA08676A	Head Base Arm Ass'y	1
19	OC08793A	Head Base Arm Shaft	1
20	OB09629A	Carbon Resistor 10K 1/6W J	1
21	CA08652B	Main Motor Ass'y	1
22	OC08830A	DC Controller	1
23	OB70001A	Loading Switch	1
24	CA08653C	Motor Chassis Ass'y	1
25	OJ04893A	Tone Volume Insulator	1
26	OC08893B	Solenoid Protector	1
L01	OE03182A	E-Ring 0.8mm	1
L02	OE00042A	E-Ring 1.5mm	6
L03	OE03061A	Mylar Washer 2.1mm 2.1x4x0.25	5
L04	OE03209A	Mylar Washer 3.1mm 3.1x4.9x0.125	2
L05	OE00022A	M2.6x4 @Pan	1
L06	OE00022A	M2x3 @Pan	2
L07	OE00022A	E-Ring 2mm	2
L08	OE0181A	Mylar Washer 1.6mm 1.6x3.5x0.25	1
L09	OE03181A	Mylar Washer 1.6mm 1.6x3.5x0.25 (Black Chromate)	1
L10	OE03183A	M1.7x2.2 @Pan (Black Chromate)	1
L11	OE03186A	M2.6x2.8 @Pan (Black Chromate)	2
L12	OE00905A	Earth Lug B	1
C01	CA08679A	Head Slider Ass'y Serial No.: C60501001 - C60701001 -	1
01	OC08679A	Head Hold Spring	1
02	OC08688B	Azimuth Screw	1
03	OC08749B	Head Mount Plate	1
04	OC08466A	Slide Cam Spring	1
05	OC08708A	Azimuth Adjust Plate	1
06	CA08632D	Head Base Ass'y	1
L01	OE00042A	E-Ring 1.5mm	1
L02	OE03191A	Washer 2.5mm 2.5x6.5x0.5	2
L03	OE03272A	PL1.7x3.5 @Pan	1
C02	CA08678A	Master Plate Ass'y Serial No.: C60501001 - C60701001 -	1
01	CA08632E	Control Plate Ass'y	1
02	CA08615A	RF Selector Arm R Ass'y	1
03	CA08614A	RF Selector Arm L Ass'y	1
04	OC08705A	Drive Pin	1
05	OC08678A	RF Selector Plate	1
06	OC08882A	FF Limiter Spring	1
L01	OE00022A	E-Ring 1.5mm	2
L02	OE03196A	Mylar Washer 2.6mm 2.6x5x0.125	2
L03	OE00042A	E-Ring 1.6mm	1

7.9. Head Slider Ass'y (C01)

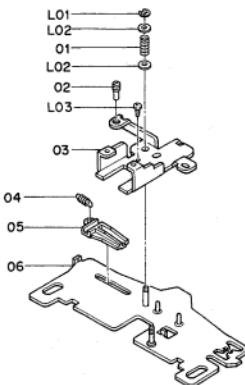


Fig. 7.9

7.10. Master Plate Ass'y (C02)

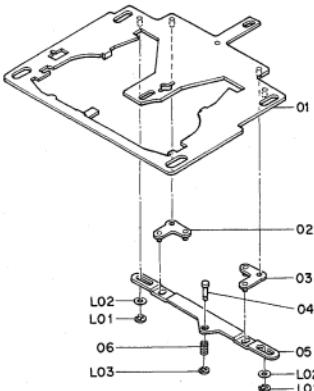


Fig. 7.10

7.11. Reel Mechanism Ass'y (C03)

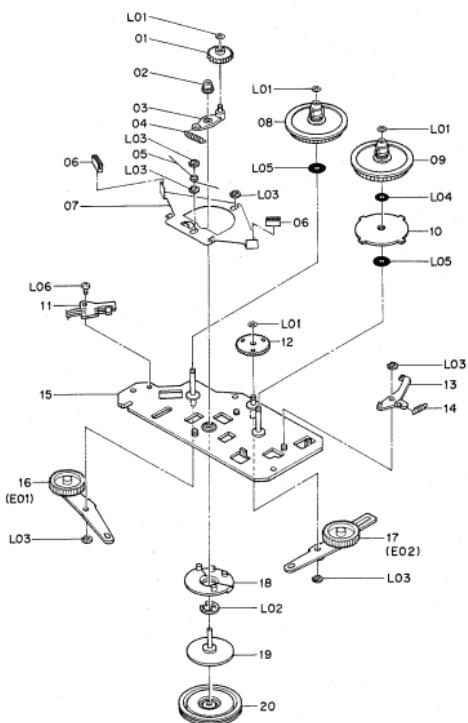


Fig. 7.11

7.12. Solenoid Plate Ass'y (D01)

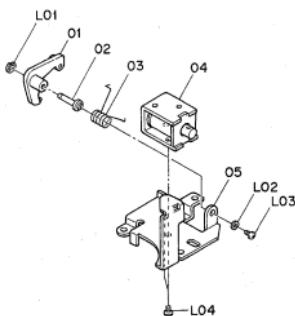


Fig. 7.12

7.13. Loading Arm Ass'y (D02)

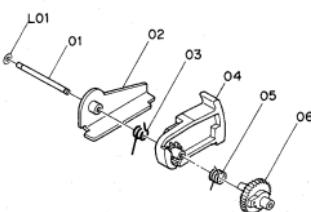


Fig. 7.13

7.14. Head Base Arm Ass'y (D03)

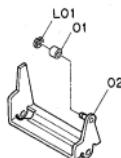


Fig. 7.14

7.15. FF Arm Ass'y (E01)

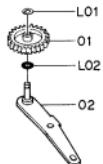


Fig. 7.15

7.16. Rewind Arm Ass'y (E02)

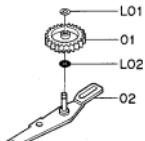


Fig. 7.16

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
C03	CA08718A	Reel Mechanism Ass'y Serial No.: C60503399 - C60701251 -	1	D01	CA08677A	Solenoid Plate Ass'y Serial No.: C60501001 - C60701001 -	1
01	OC08727A	Idler Gear	1	01	OC08634B	Stop Arm L	1
02	OC08676B	Pinion Gear	1	02	OC08635A	Stop Arm Shaft	1
03	CA08627B	Pivot Suspension Arm Ass'y	1	03	OC08875A	Stop Arm Spring	1
04	OC08866A	Pivot Suspension Arm Spring	1	04	OB90029A	Eject Solenoid	1
05	OC08864B	Brake Spring	1	05	OC08833A	Solenoid Plate	1
06	OC08690A	Brake Shoe	2	L01	OE00222A	E-Ring 2mm	1
07	OC08723B	RR Plate	1	L02	OE03199A	Washer 1.8mm	1
08	CA08641F	Take-up Reel Hub Ass'y	1	L03	OE03183A	M1.7x2.2 ±Pan (Black Chromate)	1
09	CA08641F	Supply Reel Hub Ass'y	1	L04	OE00922A	M2x3 ±Pan (Black Chromate)	2
10	OC08742A	Back Tension Disc	1	D02	CA08675A	Loading Arm Ass'y Serial No.: C60501001 - C60701001 -	1
11	BA05614B	Shut-off P.C.B. Ass'y	1	01	OC08705B	Main Shaft L	1
12	OC08729B	Idler Gear	1	02	CA08645A	Head Base Arm B Ass'y	1
13	OC08709A	Back Tension Arm	1	03	OC08870A	Loading Arm Spring B	1
14	OC08665A	Back Tension Arm Spring	1	04	OC08801B	Loading Arm A	1
15	CA08644D	Reel Chassis Ass'y	1	05	OC08869C	Loading Arm Spring A	1
16	CA08672A	FF Arm Ass'y	1	06	OC08791C	Loading Gear B	1
17	CA08671A	Rewind Arm Ass'y	1	L01	OE03181A	Mylar Washer 1.6mm 1.6x3.5x0.25	1
18	OC08778A	FR Drum	1	D03	CA08676A	Head Base Arm Ass'y Serial No.: C60501001 - C60701001 -	1
19	CA08631A	Clutch Disc Ass'y	1	01	OC08786A	Roller 1.5x4x2.5	1
20	CA08673A	Magnet Clutch Pulley Ass'y	1	02	CA08642B	Head Base Arm Sub Ass'y	1
L01	OE00109A	Brake Disc 1.6mm 1.6x3.5x0.25	4	L01	OE00165A	E-Ring 1.2mm	1
L02	OE00104A	E-Ring 5mm	1	E01	CA08672A	FF Arm Ass'y Serial No.: C60501001 - C60701001 -	1
L03	OE00042A	E-Ring 1.5mm	1	01	OC08731A	F Idler A	1
L04	OE03195A	Nylon Washer 3.6mm 3.6x6x0.25	1	02	CA08626C	FF Arm Sub Ass'y	1
L05	OE03193A	Nylon Washer 2.1mm 2.1x7x0.25	1	L01	OE03181A	Mylar Washer 1.6mm 1.6x3.5x0.25	1
L06	OE00922A	M2x3 ±Pan	2	L02	OE03187A	Nylon Washer FT'20 2.1x4.0x0.25	1
C03	CA08670A	Reel Mechanism Ass'y Serial No.: C60501001 - 0398 C60701001 - 01250	1	E02	CA08671A	Rewind Arm Ass'y Serial No.: C60501001 - C60701001 -	1
01	OC08727A	Idler Gear	1	01	OC08731A	F Idler A	1
02	OC08676B	Pinion Gear	1	02	CA08624B	Head Arm Sub Ass'y	1
03	CA08627B	Pivot Suspension Arm Ass'y	1	03	OE03181A	Mylar Washer 1.6mm 1.6x3.5x0.25	1
04	OC08866A	Pivot Suspension Arm Spring	1	L01	OE03187A	Nylon Washer FT'20 2.1x4.0x0.25	1
05	OC08864B	Brake Spring	1	L02			
06	OC08690A	Brake Shoe	1				
07	OC08723B	RR Plate	1				
08	CA08639F	Take-up Reel Hub Ass'y	1				
09	CA08641F	Supply Reel Hub Ass'y	1				
10	OC08742A	Back Tension Disc	1				
11	BA05429A	Shut-off P.C.B. Ass'y	1				
12	OC08729B	Idler Gear	1				
13	OC08709A	Back Tension Arm	1				
14	OC08834A	Back Tension Arm Spring	1				
15	CA08634D	Reel Chassis Ass'y	1				
16	CA08672A	FF Arm Ass'y	1				
17	CA08671A	Rewind Arm Ass'y	1				
18	OC08778A	FR Drum	1				
19	CA08631A	Clutch Disc Ass'y	1				
20	CA08673A	Magnet Clutch Pulley Ass'y	1				
L01	OE00109A	Brake Disc 1.6mm 1.6x3.5x0.25	4				
L02	OE00104A	E-Ring 5mm	1				
L03	OE00042A	E-Ring 1.5mm	1				
L04	OE03195A	Nylon Washer 3.6mm 3.6x6x0.25	1				
L05	OE03193A	Nylon Washer 2.1mm 2.1x7x0.25	2				
L06	OE00922A	M2x3 ±Pan	1				

8. MOUNTING DIAGRAMS AND PARTS LIST

Notes: 1. Mounting diagram shows a dip side view of the printed circuit board.
 2. Diode is MA221 or RLS-73 unless otherwise specified.
 3. Following transistors are interchangeable with each other.
 2SC945, 2SC536SP, 2SC2458, 2SC2785

4. Abbreviation for part name:

TR – Transistor, SiD – Silicon Diode, ZD – Zener Diode

RK — Carbon Resistor, RM — Metal Film Resistor, RF — Fail Safe Type Resistor

CE — Ceramic Resistor, CM — Metal Film Resistor, CP — Thin Film Type Resistor
CE — Electrolytic Capacitor, CM — Mylar Capacitor, CC — Ceramic Capacitor, CP — PP Capacitor,
CT — Tantalum Capacitor

8.1. Line Filter P.C.B. Ass'y

8.5. Solenoid P.C.B. Ass'y

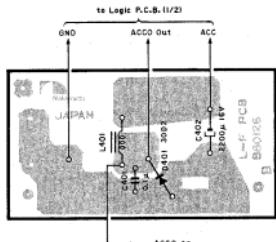


Fig. 8.1

8.2. Transistor P.C.B. Ass'y



Fig. 8.2

8.3. Shut-off P.C.B. Ass'y



Fig. 8.3

8.4. Lamp P.C.B. Ass'y

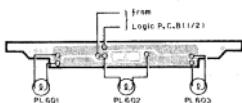


Fig. 8.4

Schematic Ref. No.	Part No.	Description
D401 L401 C401 C402	BA05501A	Line Filter P.C.B. Ass'y
	OB06126B	Line Filter P.C.B. SLD 30D-2
	OB06458A	Choke Coll CC 0.500V 50 Z 22000mH 16V
	OB06707A	GND Cable (1)
Q405 FC1	OB06292A	ACC Cable (1)
	OB08062B	SK Binder (2)
	OB08069A	
	OB90019A	
IC604 CN9	BA05497A	Transistor P.C.B. Ass'y
	OB06123A	Transistor P.C.B., TR. 2SB772 (P,Q)
	OB06303A	Flat Cable 3P 120mm
	OB82346A	Wire Holder (1)
IC604 CP3	0J04855B	Nut Hex. M3 (1)
	OE000507A	IC3x8 x Pan (2A) (1)
	OE000510A	
	BA05614B	Shut-off P.C.B. Ass'y
IC604 CN9	OB60103B	Serial No.: C60503399 - C60701251
	OB11062A	Shut-off P.C.B., Hall IC DN6838
	OB82358A	3P-H Connector 50mm
	BA05429A	Shut-off P.C.B. Ass'y
IC604 CP3	OB60103A	Serial Nos.: C60501001 - 03398 C607010001 - 01250
	OB11062A	Shut-off P.C.B., Hall IC DN6838
	OB82297B	3P Coupler
	BA05484A	Lamp P.C.B Ass'y
PL601,602 603	OB60121A	Lamp P.C.B., Lamp 65mA 14V
	OB90030A	
	OH04670B	Illuminator B (1)
CN8	BA05430A	Solenoid P.C.B. Ass'y
	OB60117B	Solenoid P.C.B., 8P-S Post
	OB81042A	

8.6. Buffer Amp. P.C.B. Ass'y

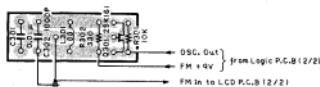


Fig. 8.6

8.7. Control P.C.B. Ass'y

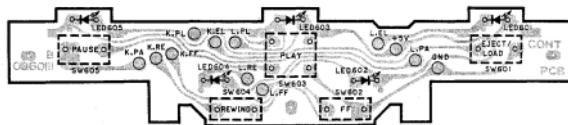


Fig. 8.7

8.8, Volume P.C.B. Ass'y

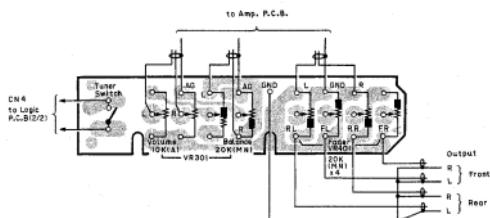


Fig. 8.8

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
Q301 L301 R301 R302 C301 C302	BA05516A	Buffer Amp. P.C.B. Ass'y (except for Japan)	CN4	BA05422A	Volume P.C.B. Ass'y TD-700 & TD-700E
	OB60132A	Buffer Amp. P.C.B. FET 2SK161		BA05466A	Volume P.C.B. Ass'y TD-700D
	OB051198A	R/F Coil		OB60115A	Volume P.C.B. 12mm
	OB09701A	RF 10K 1/6W J		OB30011A	2H-Connector
	OB09665A	RF 330 1/6W J		OB52305A	Pin Jack Cable BLK
	OB41019A	CC 0.01μ 25V		OB81269B	TD-700 & TD-700E
	OB41007A	CC 1000P 25V		OB81280A	Pin Jack Cable GRY TD-700 & TD-700E
	BA05415A	Control P.C.B. Ass'y		OB81275B	Socket 7P TD-700E
	OB06111B	Control P.C.B. LED SLP202C Green		OE03123A	Lethr Mug M.2 (1)
	OB12215A			OB80078P	Shield Wire (Yellow)
LED601- 605 SW601,602 604,605 SW603	OB70020A	Tact Switch		OB80079B	Shield Wire B (Red)
	OB70032A	Tact Switch		OB80080B	Shield Wire C (Black)
	OB04845A	Reflector A (5)			(1)

8.9. Tone Volume P.C.B. Ass'y

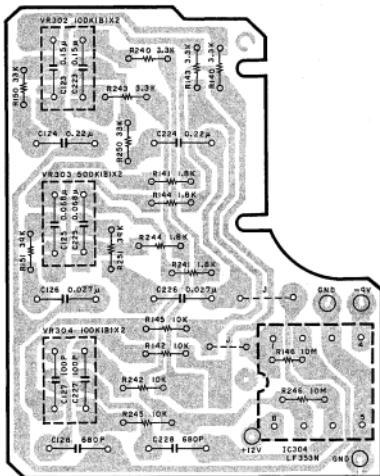


Fig. 8.9.1 C60503551 - (TD-700 & TD-700E)
C60701301 - (TD-700D)

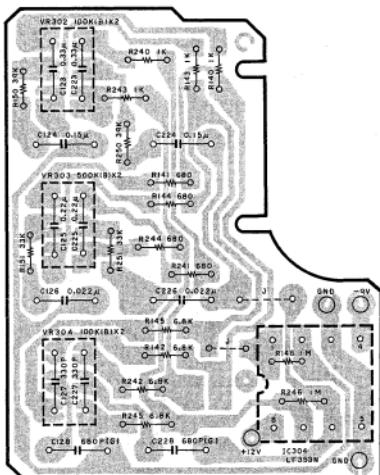


Fig. 8.9.2 C60501001 - 03550 (TD-700 & TD-700E)
C60701001 - 01300 (TD-700D)

Schematic Ref. No.	Part No.	Description
	BA05613A	Tone Volume P.C.B. Ass'y
		Serial No.: C605035151 - C607013101 -
IC304	0B60114C 0B11155A	Tone Volume P.C.B. IC LF553N (Low Noise)
VR302,304 VR303 R140,143 240,243 R141,144 241,244 R142,145 242,245 R146,246 R150,250 R151,251 C123,223 C124,224 C125,225 C126,226 C127,227 C128,228 CP1 CP2	0B30012A 0B30013A 0B23085A 0B23079A 0B23097A 0B25001A 0B23109A 0B23111A 0B23109A 0B41176A 0B41376A 0B41373A 0B09045A 0B41386A 0B09235A 0B82383A 0B82381A 0J04854A	Tone Volume P.C.B. VR 100K (B)x2 VR 500K (B)x2 RK 3.3K 1/8W J RK 1.8K 1/8W J RK 10K 1/8W J RK 10M 1/8W J RK 35K 1/8W J RK 35K 1/8W J CM 0.33u 50V J CM 0.22u 50V J CM 0.088u 50V J CM 0.027u 50V J CP 100P 100V J CP 680P 100V J 6P Coupler 2P Coupler Tone Volume Holder (1)
	BA05421A	Tone Volume P.C.B. Ass'y
		Serial No.: C60501001 - 03550 C60701001 - 01300
IC304 VR302,304 VR303 R140,143 240,243 R141,144 241,244 R142,145 242,245 R146,246 R150,250 R151,251 C123,223 C124,224 C125,225 C126,226 C127,227 C128,228 CP1 CP2	0B60114C 0B11152A 0B30013A 0B30013A 0B23073A 0B23069A 0B23093A 0B23145A 0B23111A 0B23109A 0B41177A 0B41176A 0B05582A 0B41213A 0B41121A 0B82292A 0B82294A 0B90021A 0J04854A	Tone Volume P.C.B. IC LF553N (Low Noise) VR 500K (B)x2 RK 1K 1/8W J RK 680 1/8W J RK 6.8K 1/8W J RK 1M 1/8W J RK 39K 1/8W J RK 33K 1/8W J CM 0.33u 50V J CM 0.22u 50V J CM 0.022u 50V J CM 0.022u 50V J CP 330P 100V J CP 680P 100V G 6P Coupler 2P Coupler Tone Volume Holder (1)

8.10. Motor P.C.B. Ass'y

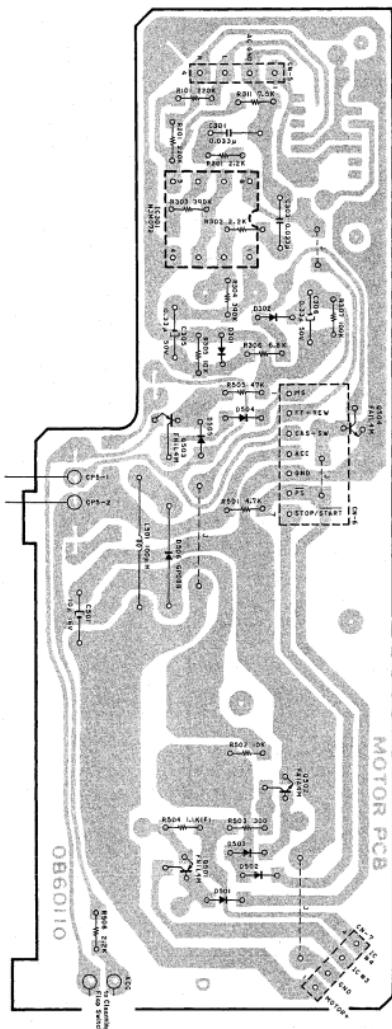


Fig. 8.10

Schematic Ref. No.	Part No.	Description
BA054141		Motor P.C.B. Ass'y
	OB06110D	
	OB06457A	
IC301	OB14151A	Motor P.C.B.
Q501,503	OB14144A	IC ICN072
Q502	OB14144A	TR FNL14M
Q504	OB14146A	TR FA14M
D301,302	OB13064A	TR FA114M
501,502		SID MA221
503,504		
J02		
D506	OB06109A	SID GP08B
L501	OB51183A	Micro Coil 100 μ H
R101,201	OB23129A	RK 220K 1/8W J
R301,302	OB23081A	RK 2.2K 1/8W J
R303,304	OB23135A	RK 390K 1/8W J
R305,502	OB23097A	RK 10K 1/8W J
R306	OB23098A	RK 6.8K 1/8W J
R307	OB23121A	RK 100K 1/8W J
R311	OB23094A	RK 7.5K 1/8W J
R501	OB23060A	RK 30K 1/8W J
R503	OB23060A	RK 30K 1/8W J
R504	OB26011A	RM 1.1K 1/8W F
R505	OB23113A	RK 47K 1/8W J
C301,303	OB05583A	CM 0.033 μ 50V J
C305,306	OB40209A	CE 0.33 μ 50V
C501	OB81121A	CE 0.33 μ 16V
C502	OB81231A	4P-T Post
CN6	OB81041A	TP-S Post
CN7	OB81027A	4P-T Post
CP5	OB82300A	2P Coupler

8.11. Tuner P.C.B. Ass'y
(1) For TD-700
(U.S.A. & Canada)

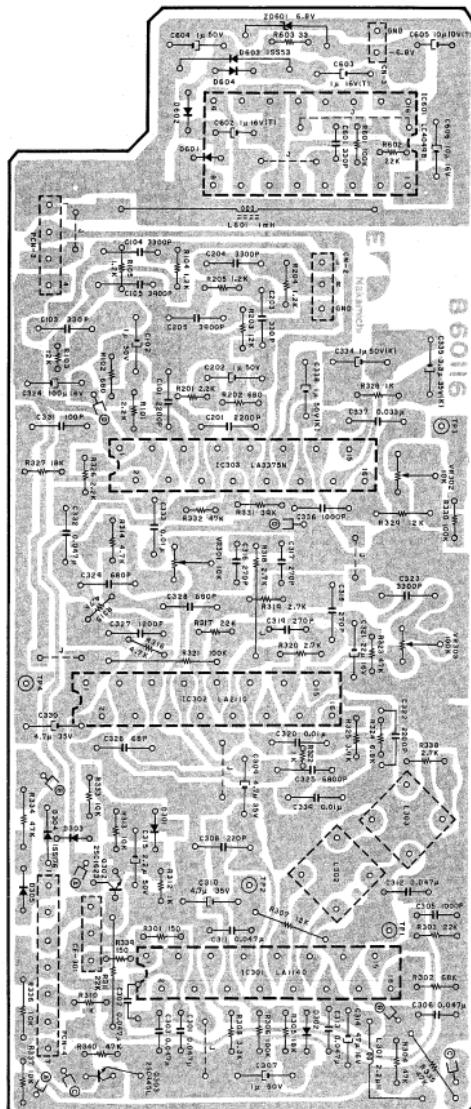


Fig. 8.11.1

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA05424B	Tuner P.C.B. Ass'y TD-706 (U.S.A. & Canada)	C326 C327 C328,329 C331	08411191A 08056287A 0805871A 0841386A	C 68P 100V J CM 1200P 50V J CM 680P 50V J CP 100P 50V J
	0860116E	Tuner P.C.B.	C332	0805796A	CM 0.047 μ 50V J
IC301	0860412A	IC LA1140	C334,338	0840263A	CE 1 μ 50V K
IC302	0860414A	IC LA2110	C335	0840264A	CE 3.3 μ 35V K
Q303	0860415B	IC LA2150N	C336	0840265A	CE 1 μ 50V J
IC601	0861106A	IC LA4049B	C337	0805583A	CM 0.033 μ 50V J
Q303	0814022A	TR 2SC1623	C601	0843055A	CC 330P 50V K
Q303	081872A	TR 2SC945L (P.Q)	C602	0843025A	CT 1 μ 16V
ZD601	086241A	ZD 6.8V RD6.8E8B2	C605	0843020A	CT 10 μ 10V
SD31,302	0813064A	SID MA221	C606	0840162A	CE 10 μ 16V
303,601			CF301	0841076A	Ceramic Filter
D304	0860398A	SID 18S176	CN3	0881036A	OPT 100P 1M35GKV
SD305,604	0813003A	SID RL5-73	PCN2	0881283A	2P-S Post (1)
D603	0860181A	SID LS553	PCN3	0882288A	3P-S Post (1)
L301	0851106A	Micro Coil 2.2 μ H	PCN4	0882289A	4P Connector (1)
L302	0851142A	Det. Coil		08E00764A	7P Connector (1)
		197-1291-01		M2.6x8 @ Pan (2)	
L303	0806712A	Det. Coil		0J04869A	P.C.B. Holder Stud (1)
L601	0851040A	Micro Coil 1mH		0881117A	Contact Pin 1P (1)
VR301,302	0832035A	Potentiometer 10K		0J04871B	Shield Case (1)
VR303	0832038A	Potentiometer 100K			
FL101,201	0823081A	RK 2.0K 1/8W J			
R102,202	0823069A	RK 680 1/8W J			
R103,203	0823099A	RK 12K 1/8W J			
R104,105	0823075A	RK 1.2K 1/8W J			
204,205					
R301,339	0823053A	RK 150 1/8W J			
R302,317	0823117A	RK 68K 1/8W J			
R303,317	0823105A	RK 22K 1/8W J			
R304,323	0823113A	RK 47K 1/8W J			
332,334					
R305,327	0823103A	RK 18K 1/8W J			
R306,330	0823121A	RK 100K 1/8W J			
601					
R307	0805650A	RK 12K 1/4W VJ			
R308	0823085A	RK 3.3K 1/8W J			
R309	0823101A	RK 15K 1/8W J			
R310,0,312	0823073A	RK 1K 1/8W J			
322,328					
R311	0806615A	RK 22K 1/4W J			
R313,333	0823097A	RK 10K 1/8W J			
336,337					
R314,315	0823089A	RK 4.7K 1/8W J			
316					
R318	0805629A	RK 2.7K 1/4W J			
R319,320	0823083A	RK 2.7K 1/8W J			
338					
R321	0801889A	RK 100K 1/4W J			
R324	0823093A	RK 6.8K 1/8W J			
R325	0823094A	RK 1.2K 1/8W J			
R329	0809703A	RK 1.2K 1/8W J			
R331	0823111A	RK 39K 1/8W J			
R335	0809717A	RK 47K 1/8W J			
R603	0823037A	RK 33 1/8W J			
C101,201	0841233A	CP 2200P 100V J			
C101,202	0841255A	CP 3300P 100V J			
C102,203	0841234A	CP 3300P 100V J			
C104,204	0841237A	CP 3300P 100V J			
C105,205	0841239A	CP 3900P 100V J			
C301,302	0843053A	CC 0.047 μ 50V K			
303,306					
311,312					
313					
C304	0843050A	CC 1000P 50V K			
C307,603	0840173A	CE 1 μ 50V			
604					
C308	0841394A	CC 220P 50V J			
C309,330	0840258A	CC 4.7k 35V			
C310	0840175A	CC 4.7k 35V			
C314	0840165A	CE 1.2K 16V			
C315	0840174A	CE 2.2 μ 50V			
C316,317	0843049A	CC 270P 50V K			
319					
C318	0809284A	CC 270P 50V J			
C320,333	0841094A	CC 0.01 μ 50V			
321					
C321	0840163A	CE 22u 16V			
C322	0801802A	CM 2200P 50V J			
C323	0801914A	CM 3300P 50V J			
C324	0840206A	CE 100 μ 16V			
C325	0805530A	CM 6800P 50V J			

(2) For TD-700 (Australia & Others), TD-700E and TD-700D

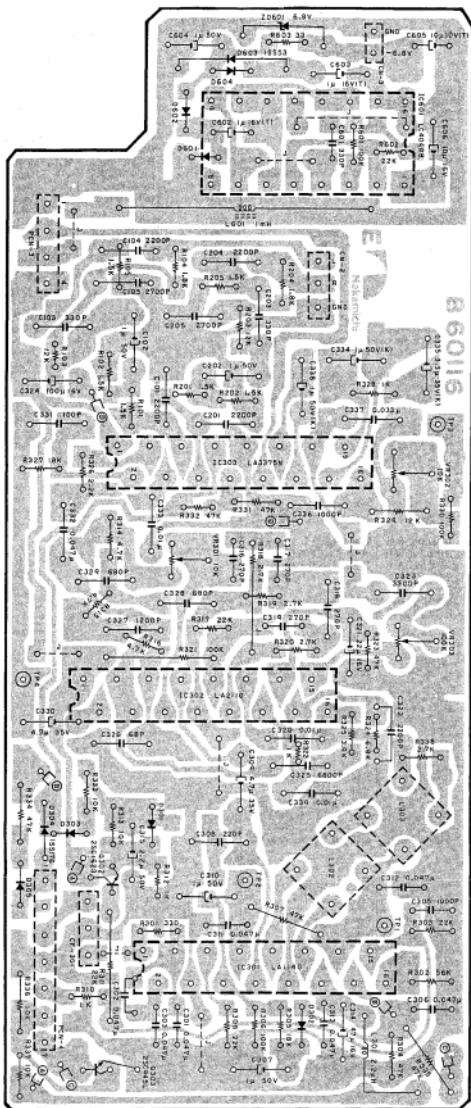


Fig. 8.11.2

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA05458A	Tuner F.C.B. Ass'y TD-700A & Others), TD-700E & TD-700D	C328,329	OB05571A	CM 680P 50V J
		Tuner P.C.B.	C331	OB41386A	CP 100P 50V J
IC301	OB60116E	IC LA1140	C332	OB05796A	CM 0.047u 50V J
IC302	OB06412A	IC LA2110	C334,338	OB40263A	CE 1u 50V K
IC303	OB06414A	IC LA3375N	C335	OB40264A	CE 3.3u 35V K
IC601	OB11066A	IC LC4049B	C336	OB41225A	CP 1000P 100V J
Q302	OB14022A	TC 2SC1623	C337	OB41226A	CP 1000P 350V J
Q303	OB01872A	TC 2SC945L (P.Q.)	C338	OB41227A	CP 350P 350V J
ZD601	OB06241A	ZD 6.8V RD6.8EB2	C339	OB41228A	CM 3.3u 350V K
D301,302	OB13064A	SID MA221	C340	OB41229A	CM 3.3u 16V
303,304,601		SID 1SS176	PCN1	OB81036A	SPE10.7MS3GKY-A
602		SID RLS-73	PCN2	OB81283A	2P-5 Pos. (1)
D304	OB06398A		PCN3	OB82288A	4P Connector (1)
D305,604	OB13003A		PCN4	OB82289A	7P Connector (1)
D603	OB06181A	SID 1SS553	OJ00764A	OE00764A	M2.6x6 8 Pan (2A)
L301	OB51106A	Micro Coll 2.2uH	OJ04869A		P.C.B. Holder Stud (1)
L302	OB51114A	Det. Coll 57-1291-01	OJ04871B	OB81117A	Contact Pin 1P (4)
L303	OB06712A	Det. Coll 57-1057-01	OJ04871B	Shield Case (1)	
L601	OB51040A	Micro Coll 1mH			
VR301,302	OB32035A	Potentiometer 10K			
VR303	OB32038A	Potentiometer 100K			
RK1,302	OB23077A	RK 1.5K 1/8W J			
105,201					
202,205					
R103,203	OB23099A	RK 12K 1/8W J			
R104,204	OB23079A	RK 1.8K 1/8W J			
R301	OB23061A	RK 330 1/8W J			
R302	OB23118A	RK 56K 1/8W J			
R303,308	OB23105A	RK 22K 1/8W J			
317,602					
R304,323	OB23113A	RK 47K 1/8W J			
331,332					
334					
R305,327	OB23103A	RK 18K 1/8W J			
R306,330	OB23121A	RK 100K 1/8W J			
603					
R307	OB05562A	RK 47K 1/4W VJ			
R310,312	OB23073A	RK 1K 1/8W J			
322,328					
R311	OB05615A	RK 22K 1/4W J			
R313,333	OB23097A	RK 10K 1/8W J			
336,337					
R314,315	OB23089A	RK 4.7K 1/8W J			
338					
R318	OB05629A	RK 2.7K 1/4W J			
R319,320	OB23083A	RK 2.7K 1/8W J			
338					
R321	OB01889A	RK 100K 1/4W J			
R324	OB23093A	RK 6.8K 1/8W J			
R325	OB23094A	RK 100K 1/8W J			
R326	OB23081A	RK 2.2K 1/8W J			
R329	OB09703A	RK 12K 1/6W J			
R335	OB09717A	RK 47K 1/6W J			
R603	OB23037A	RK 33 1/8W J			
C101,104	OB41233A	CP 2200P 100V J			
201,204					
C104,202	OB40255A	CE 1u 50V			
C103,203	OB41213A	CP 330P 100V J			
C105,205	OB41235A	CP 2700P 100V J			
C301,302	OB43053A	CC 0.047u 50V K			
303,306					
311,312					
313					
C305	OB43050A	CC 1000P 50V K			
C307,310	OB40173A	CE 1u 50V			
603,604					
C308	OB41394A	CP 220P 50V J			
C309,330	OB40258A	CE 4.7u 35V			
C314	OB40165A	CE 47u 16V			
C315	OB40174A	CE 2.2u 50V			
C316,317	OB43049A	CC 270P 50V K			
319					
C318	OB09284A	CC 270P 50V J			
C320,333	OB41094A	CM 0.01u 50V			
339					
C321	OB40163A	CE 22u 16V			
C322	OB01802A	CM 2200P 50V J			
C323	OB40164A	CE 330P 50V J			
C324	OB40206A	CE 100u 16V			
C325	OB05530A	CM 6800P 50V J			
C326	OB41191A	C 68P 100V J			
C327	OB05687A	CM 1200P 50V J			

(3) For TD-700 (Japan)

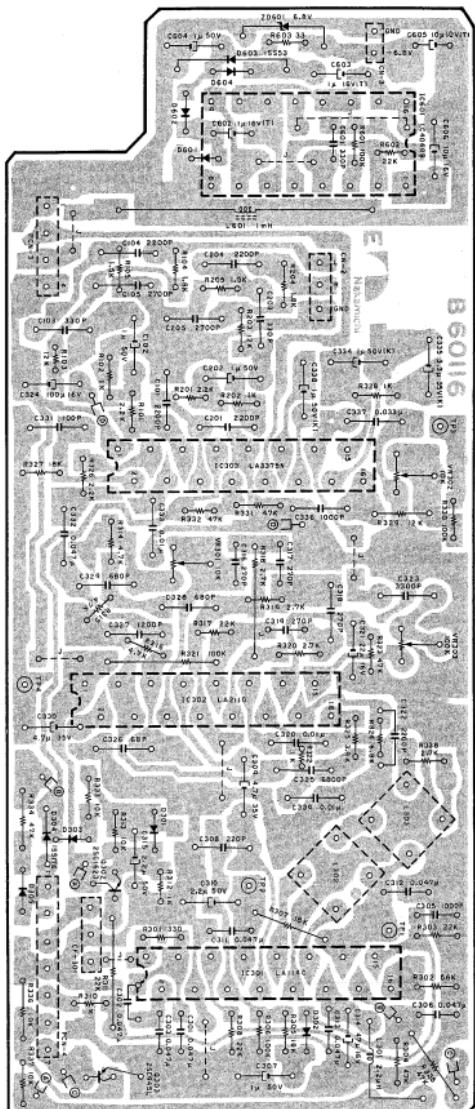


Fig. 8.11.3

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA05423A	Tuner P.C.B. Ass'y TD-700 (Japan)	C332 C334,338 C335 C336	OB05796A OB40263A OB40264A OB41225A	CM 0.047 μ 50V J CE 1 μ 50V K CE 3.3 μ 35V K 1000 μ 100V K
IC301	OB60118E	Tuner P.C.B.	C337	OB0553A	CM 0.033 μ 50V J
IC302	OB06412A	IC LA1140	C601	OB43055A	CC 330P 50V K
IC303	OB06414A	IC LA2110	C602	OB43025A	CT 1 μ 16V
IC601	OB06415B	IC LA3375N	C605	OB43020A	CT 10 μ 10V
IC602	OB11066A	IC LC4049B	C606	OB43165A	CE 10 μ 16V
Q302	OB14022A	TR 2SC1623	CP301	OB41075A	Ceramic Filter
Q303	OB06416A	TR 2SC1623 (P, Q)			SFE10.7MLK-A
ZD601	OB06241A	ZD 6.8V RD6.8ED2	CN3	OB81036A	2P-S Post (1)
D301,302	OB13064A	SID MA221	PCN2	OB81283A	3P-S Post (1)
303,601			PCN3	OB82288A	4P Connector (1)
602			PCN4	OB82289A	7P Connector (1)
D304	OB06398A	SID 1S8176		OE00764A	M2.6x6 \oplus Pan (1)
D305,604	OB13003A	SID RL5-73		OJ04869A	P.C.B. Holder Stud (1)
D603	OB06181A	SID 1S853		OB81117A	Contact Pin 1P (4)
L301	OB51106A	Micro Coil 2.2 μ H		OJ04871B	Shield Case (1)
L302	OB51142A	Det. Coil			
L303	OB06712A	Det. Coil			
		57-1291-01			
		87-1057-01			
L601	OB51040A	Micro Coil 1mH			
VR301,302	OB32035A	Potentiometer 10K			
VR303	OB32038A	Potentiometer 100K			
R101,201	OB23081A	RK 2.2K 1/8W J			
326					
R102,202	OB23073A	RK 1K 1/8W J			
310,312					
322,328					
R103,203	OB23099A	RK 12K 1/8W J			
R104,204	OB23079A	RK 1.8K 1/8W J			
R105,205	OB23077A	RK 1.5K 1/8W J			
R301	OB23080A	RK 320 1/8W J			
R302	OB23110A	RK 56K 1/8W J			
R303,308	OB23105A	RK 22K 1/8W J			
317,602					
R304,323	OB23113A	RK 47K 1/8W J			
331,332					
338					
R305,327	OB23102A	RK 18K 1/8W J			
R306,330	OB23121A	RK 100K 1/8W J			
601					
R307	OB05561A	RK 18K 1/4W VJ			
R311	OB06151A	RK 22K 1/4W VJ			
R313,333	OB23097A	RK 10K 1/8W J			
335,337					
R314,315	OB23089A	RK 4.7K 1/8W J			
316					
R318	OB05629A	RK 2.7K 1/4W J			
R319,320	OB23083A	RK 2.7K 1/8W J			
338					
R321	OB01889A	RK 100K 1/4W J			
R324	OB23093A	RK 6.8K 1/8W J			
R325	OB23087A	RK 3.9K 1/8W J			
R329	OB09703A	RK 12K 1/6W J			
R335	OB09717A	RK 47K 1/6W J			
R340	OB22037A	RK 33 1/8W J			
C101,104	OB41233A	CP 2200P 100V J			
201,204					
C102,202	OB40255A	CE 1 μ 50V			
C103,203	OB41213A	CP 330P 100V J			
C105,205	OB41235A	CP 2700P 100V J			
C301,302	OB43053A	CC 0.047 μ 50V K			
C303,306					
311,312					
313					
C305	OB43050A	CC 1000P 50V K			
C307,603	OB40173A	CE 1 μ 50V			
604					
C308	OB41394A	CP 220P 50V J			
C309,320	OB40258A	CE 4.7u 35V			
C310,315	OB40174A	CE 2.2u 50V			
C314	OB40165A	CE 47u 16V			
C316,317	OB43049A	CC 270P 50V K			
319					
C318	OB09284A	CC 270P 50V J			
C320,333	OB41094A	CM 0.01 μ 50V			
338					
C321	OB40163A	CE 22u 16V			
C322	OB1802A	CM 2200P 50V J			
C323	OB01914A	CM 3300P 50V J			
C324	OB40206A	CE 100u 16V			
C325	OB41181A	CM 68P 100V J			
C326	OB41191A	CM 68P 100V J			
C327	OB05687A	CM 1200P 50V J			
C328,329	OB05571A	CM 680P 50V J			
C331	OB41386A	CP 100P 50V J			

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
BA05611A	Amp. P.C.B. Ass'y		R301	OB23091A	RK 5.6K 1/8W J
Serial No.: C60503551 - C60701301 -	ZD 5.6V		R308	OB23089A	RK 680 1/8W J
— Dolby NR —	SID RLS-73		C105,106	OB41369A	CM 0.033u 50V J
			205,206		
			C107,207	OB41373A	CM 0.068u 50V J
			C108,208	OB40256A	CE 2.2u 50V
					— Line Amp. —
IC101,201	OB14119A	IC TEA0665			
ZD302	OB13011A	ZD 5.6V			
D201	OB13003A	SID RLS-73	IC303	OB11001A	IC NJM4558M
L101,201	OB51149A	Inductor 8.2mH	Q103,203	OB06299A	TR 2SC2878
L102,202	OB51146A	L-C Block	Q301	OB14027A	TR 2SA812
F123,223	OB23057A	RK 22K 1/8W J	R133,134	OB26009A	RM 100K 1/8W F
F124,224	OB23089A	RK 4.7K 1/8W J			
F125,225	OB23051A	RK 820 1/8W J			
F126,226	OB23050A	RK 100 1/8W J			
F127,227	OB26007A	RM 33K 1/8W F	R137,237	OB26010A	RM 8.25K 1/8W F
F128,228	OB26006A	RM 82K 1/8W F	R138,139	OB26008A	RM 10K 1/8W F
F129,229	OB23090A	RK 5.1K 1/8W J			
F130,230	OB23117A	RK 68K 1/8W J	R147,247	OB23073A	RK 1K 1/8W J
F131,231	OB23081A	RK 2.2K 1/8W J	R148,248	OB23089A	RK 4.7K 1/8W J
302			R309	OB23097A	RK 10K 1/8W J
F132,232	OB22447A	RM 62K 1/6W F	R310	OB23121A	RK 100K 1/8W J
F303	OB23097A	RK 10K 1/8W J	C121,122	OB41476A	CM 0.1u 50V J
R309	OB06669A	RK 470 1/6W J			
C109,209	OB05659A	CM 5600 50V J	SW301	OB70022A	Slide Switch
C110,116	OB41141A	CP 4700P 100V G			— Miscellaneous —
C111,216					
C111,217					
302					
C112,118	OB41371A	CM 0.047u 50V J	CN1	OB60113E	Amp. P.C.B.
C122,218			CN2	OB81187A	4P-S Post
C113,119	OB41176A	CM 0.22u 50V J	CN3	OB82303A	3P-H Connector
C123,219			CN5	OB82304A	1P Connector
C114,120	OB40282A	CT 0.68u 35V K	CP1	OB82306A	4P-H Connector
C124,219			CP2	OB82382A	6P Coupler EMC-G06
C115,215	OB05681A	CM 0.01u 50V J	PCN1	OB82386A	2P Coupler EMC-G02
C129,229	OB40206A	CE 100u 16V	PCN2	OB82337A	3P Connector
C130,230	OB40207A	CE 470u 6.3V		OB90021A	Band EG-9 (2)
		Contact Pin 1P (2)		OE00174A	Earth Lug B-4 (1)
		— Head Amp. —			
IC301	OB11017A	IC NJM072S-E			
Q101,201	OB06376A	FET 2SK170 (GR)			
Q102,202	OB14022A	TR 2SC1623			
ZD301	OB12162A	ZD 8.2V			
		RD8.2JS-T1B2			
VR101,201	OB32039A	Potentiometer 10K			
F101,106	OB23121A	RK 100K 1/8W J	CP1		
F102,206			CP2	OB82293A	6P Coupler TVQ (1)
R102,302	OB22610A	RM 8.6 1/4W F		OB82295B	2P Coupler TVQ (1)
R103,203	OB22644A	RM 1.54K 1/4W F			
R105,205	OB26010A	RM 8.25K 1/8W F			
E107,207	OB22548A	RM 4.7M 1/4W J			
F108,208	OB22491A	RM 210K 1/6W F			
F109,209	OB22492A	RM 1.54K 1/4W F			
F110,210	OB26003A	RM 2.67K 1/8W F			
R111,211	OB23093A	RM 6.8K 1/8W J			
R112,212	OB23097A	RK 10K 1/8W J			
R113,213	OB23145A	RK 1M 1/8W J			
R306	OB23081A	RK 2.2K 1/8W J			
R307	OB23069A	RK 680 1/8W J			
C103,203	OB40259A	CE 100u 16V			
C103,203	OB09658A	CM 0.015u 50V J			
C104,204	OB09861A	CM 0.027u 50V J			
C301	OB40357A	CE 330u 10V			
C302	OB40356A	CE 220u 10V			
		Contact Pin 1P (1)			
		Shield Belt (1)			
		OB90044A			
		— Subsonic Filter —			
IC302	OB11032A	IC LF253N			
IC303	OB11027A	IC TC9145P			
D301	OB13063A	SID DAP202K			
R115,215	OB23115A	RK 56K 1/8W J			
F116,216	OB23137A	RK 470K 1/8W J			
R117,217	OB23129A	RK 220K 1/8W J			
R119,219	OB23139A	RK 56K 1/8W J			
R120,220	OB26004A	RM 8.66K 1/8W F			
R121,221	OB23145A	RK 1M 1/8W J			
R122,222	OB26005A	RK 1K 1/8W F			
R149,249	OB23141A	RK 680K 1/8W J			

8.12. Amp. P.C.B. Ass'y

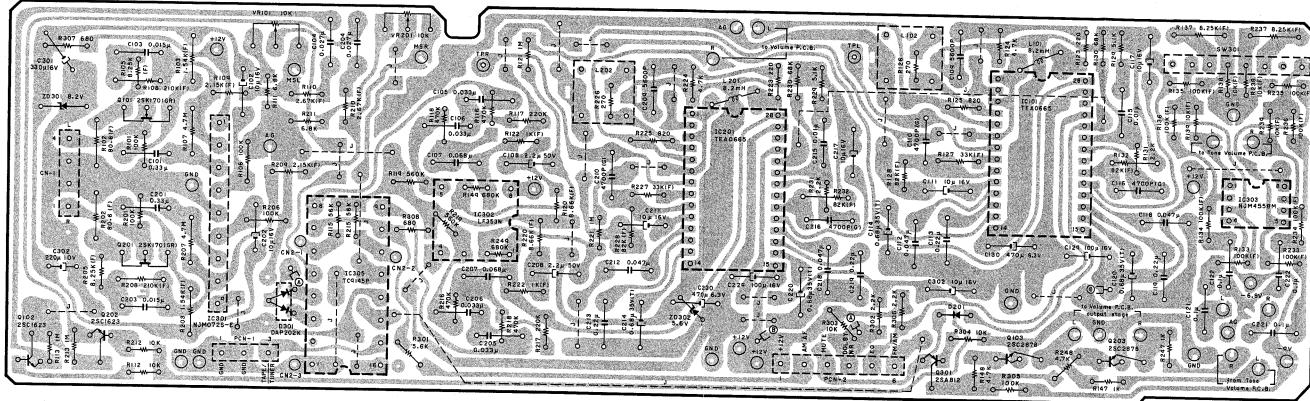


Fig. 8.12

8.13. Logic P.C.B. Ass'y

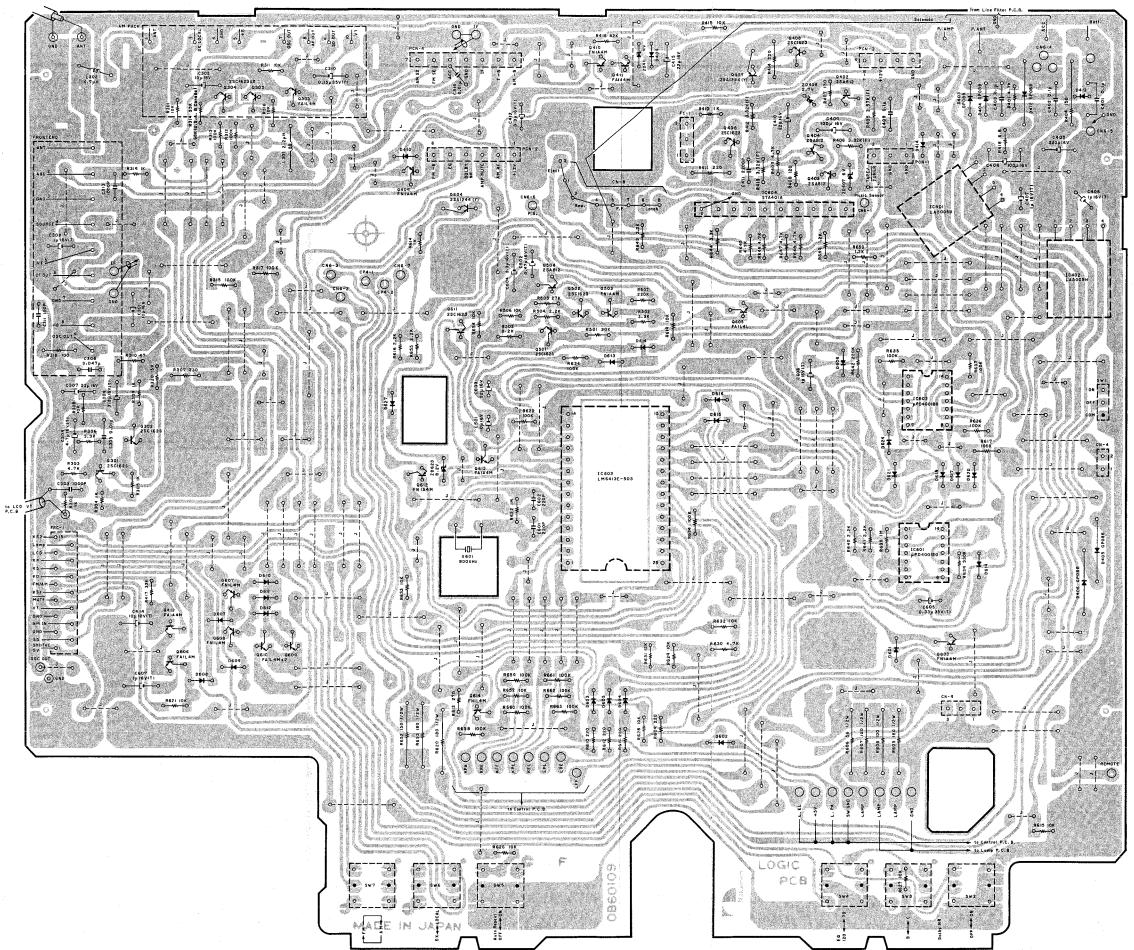
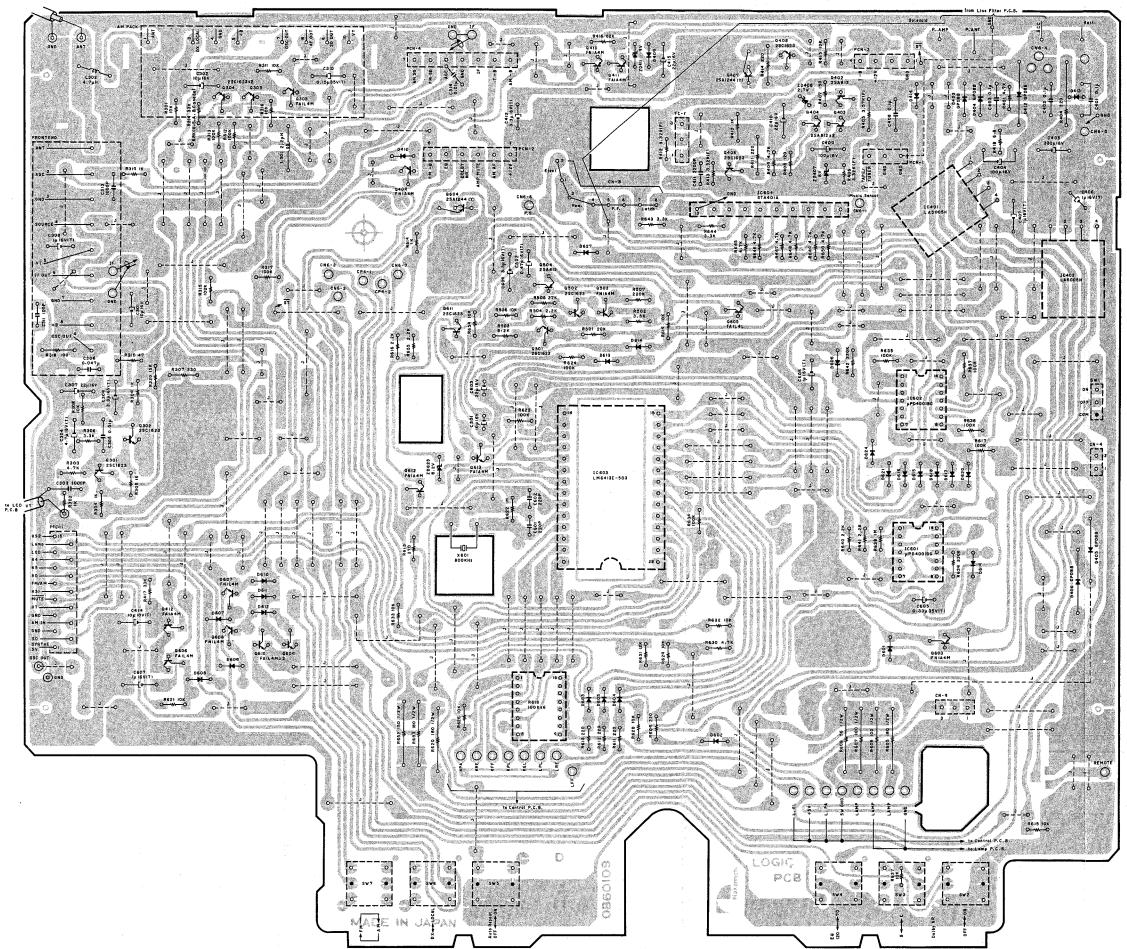


Fig. 8.13.1 C60504101 - (TD-700 & TD-700E)

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
BA05618A	Logic P.C.B. Ass'y TD-700 (Japan)	ZD411	OB13026A	ZD 9V	RLZ9.1BTE-11	OB91004A	Front-end TD-700 (U.S.A. & Canada)	
BA05619A	Logic P.C.B. Ass'y TD-700 (U.S.A. & Canada)	D403.404	OB06109A	SID GP08B		OB91003A	Front-end TD-700 (Japan)	
BA05620A	Logic P.C.B. Ass'y TD-700 (Australia & Others) & TD-700E	D405.406					— Miscellaneous —	
BA05622A	Logic P.C.B. Ass'y TD-700D	412	D409.410	OB13003A	SID RL9-73	OB810109F	Logic P.C.B.	
	Serial No.: C60504101 -	D413.414	OB13064A	SID MA221		OB81057A	3P-S Post	
— CPU —		R401.409	OB23089A	RK 4.7K 1/8W J	CN9	OB81273B	4P Terminal (1)	
IC601,602	OB11063A IC μ PD4001BG	R404	OB05795A	RK 150 1/4W J		OB82290A	4P Connector (1)	
IC603	OB11061A IC LM6413E-503	R406	OB26012A	RM 3.57K 1/8W F		OB82291A	7P Connector (1)	
IC604	OB10048A IC STA401A	R408	OB26013A	RM 3.32K 1/8W F		OB82298B	2P Coupler (1)	
Q603,612	OB14153A TR FN14AM	R410	OB23053A	RK 150 1/8W J		OB82307C	7P-H Connector (1)	
Q604	OB10017A 2SA1244 (Y)	R411.414	OB23051A	RK 120 1/8W J		OB82308A	8P Connector (1)	
Q605	OB14149A TR FAIL4L	R415	OB23073A	RK 1K 1/8W J		OB82334A	3P Connector (1)	
Q606,609	OB14146A TR FAIL4M	R416	OB23150A	RK 220 1/4W J		OB82336A	6P Connector (1)	
610		R417	OB23109A	RK 32K 1/8W J		OB90019A	SK Binder (1)	
Q607,608	OB14151A TR FN14LM	C403	OB42054A	CG 0.1u 50V Z		OB81272B	4P Terminal Male	
614		C404	OB42050A	CG 0.1u 50V Z		OB81273B	TD-700D (1)	
Q611	OB14022A TR 2SC1623	C405	OB40080A	CG 3.8K 16V		OB81268B	4P Terminal Female	
Q613	OB14144A TR FA144M	C406	OB43025A	CT 1u 16V		OB81268B	4P Terminal Male	
ZD623	OB13024A ZD 8.2V	C410.415	OB40163A	CT 22u 16V	BA05501A	TD-700 & TD-700E (1)		
	RLZ8.2CTE-11	C411	OB43051A	CG 2200P 50V K		BA05497A	Line Filter P.C.B. Ass'y (1)	
D601-621	OB13064A SID MA221 (23)	C412	OB43028A	CT 3.8u 16V			Transistor P.C.B. Ass'y (1)	
624,627		C414	OB43020A	CT 10u 10V				
X601	OB23070A Crystal 800kHz	— Reset —						
R605,620	OB24035A RF 180 1/2W J	Q501,502	OB14022A	TR 2SC1623				
653		Q503	OB14153A	TR FN14AM				
R606	OB24041A RF 56 1/2W J	Q504	OB14027A	TR 2SA812				
R608	OB09507A RF 100 1/2W J	R501	OB23104A	TR 20K 1/8W J				
R609,610	OB23057A RF 220 1/8W J	R502	OB23095A	TR 3.2K 1/8W J				
611,612		R503	OB23095A	TR 2.2K 1/8W J				
R613	OB23059A RK 270 1/8W J	R504	OB23081A	TR 2.2K 1/8W J				
R614	OB23070A RK 1K 1/8W J	R505	OB23107A	TR 27K 1/8W J				
R615,619	OB23097A RK 10K 1/8W J	R506	OB23097A	TR 10K 1/8W J				
621,626		R507	OB23129A	TR 220K 1/8W J				
625,628		C501	OB40162A	CE 10u 16V				
633,634		C502	OB43023A	CT 0.47 μ 16V				
657		— Tuner —						
R616,640	OB23081A RK 2.2K 1/8W J	Q301,302	OB14022A	TR 2SC1623				
641,655		304,305	OB14146A	TR FAIL4M				
R617,623	OB23121A RK 100K 1/8W J (13)	Q303	OB51106A	Micro Coil 2.2 μ H				
624,634		L301	OB51101A	Micro Coil 4.7 μ H				
635,636		L302	OB23097A	RK 10K 1/8W J				
637		R301,308	OB23097A	RK 10K 1/8W J				
658-663		311,316	OB23129A	TR 220K 1/8W J				
R622,638	OB23145A RK 1M 1/8W J	C302,304	OB23073A	RK 1K 1/8W J				
R630	OB23089A RK 4.7K 1/8W J	305,309	OB23089A	RK 1K 1/8W J				
645-648		(5)	319					
R631	OB23099A RK 12K 1/8W J	R303	OB23068A	RK 4.7K 1/8W J				
R639	OB23132A RK 390K 1/8W J	R306	OB23085A	RK 3.2K 1/8W J				
R642	OB23129A RK 220K 1/8W J	R307	OB23061A	RK 320 1/8W J				
R643,644	OB23085A RK 3.3K 1/8W J	R310	OB23041A	RK 47 1/8W J				
R649,650	OB23075A RK 1.2K 1/8W J	R312,313	OB23121A	RK 100K 1/8W J				
R652	OB24040A RF 150 1/2W J	315,317	OB23121A	RK 100K 1/8W J				
C601,602	OB23040A CG 220P 50V K	R314	OB23109A	RK 33K 1/8W J				
C603	OB23040A CE 2.2K 1/8W J			(except for U.S.A. & Canada)				
C604	OB23040A CG 3.3u 16V							
C605	OB23037A CT 0.3u 35V							
C606,607	OB23037A CT 0.3u 35V							
SW1-5			OB23117A	RK 68K 1/8W J (U.S.A. & Canada)				
SW6	OB270018A Push Switch	R318	OB09653A	RK 100 1/6W J				
SW7	OB270021A Slide Switch	R320	OB23101A	RK 15K 1/8W J				
CN4	OB270019A Push Switch	C301,302	OB40162A	CE 10u 16V				
FFC1	OB881025A 2P-T Post	C303	OB43050A	CG 1000P 50V K				
	OB881279A 15P FFC Connector	C304	OB40280A	CT 4.7u 16V				
— Regulator —		C305	OB40162A	CE 10u 16V				
IC401,402	OB11034A IC LA5005H	C306	OB43053A	CG 0.047u 50V J				
Q402,403	OB14027A TR S2A812	C307	OB40162A	CE 22u 16V				
404		C308	OB43025A	CT 1u 16V				
Q404,408	OB14022A TR 2SC1623	C309	OB40279A	CT 3.3u 16V				
Q407	OB10017A 2SA1244 (Y)	C310	OB43035A	CT 0.15u 35V				
Q409,410		C311	OB43047A	CG 100P 50V K				
Q411,412	OB14153A TR FN14AM	C313	OB411082A	CM 100P 50V J				
ZD407	OB14144A TR FA14AM	C314	OB411083A	CM 0.01u 50V K				
ZD408	OB13014A ZD 6V		OB811005A	AM Pack (1)				
	PLZ6.2BTE-11		OB91006A	Front-end TD-700 (Australia & Others), TD-700E & TD-700D				
	RD2.7MB-T1A							

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
BA05618A	Logic P.C.B. Ass'y	TD-700 (Japan)	D403,404	OB06109A	SD GP08B	OB91004A	Front-end TD-700 (U.S.A. & Canada)	
BA05619A	Logic P.C.B. Ass'y	TD-700 (U.S.A. & Canada)	412	OB13003A	SD RLS-73	OB91003A	Front-end TD-700 (Japan)	
BA05620A	Logic P.C.B. Ass'y	TD-700 (Australia)	D409,410	OB13064A	SD MA221	— Miscellaneous —		
	Logic P.C.B. Ass'y	Others & TD-700E	D413,414	OB13093A	RK 4.7K 1/8W J	OB860109D	Logic P.C.B.	
	Logic P.C.B. Ass'y	TD-700E	R401,409	OB23089A	RK 220 1/4W J	OB881037A	3P-S Post	
BA05622A	Logic P.C.B. Ass'y	TD-700D	R405	OB26012A	RK 3.57K 1/8W F	OB881273B	4P Terminal (1)	
	Logic P.C.B. Ass'y	Serial Nos.: C605038399 - 04100	R406,412	OB26013A	RM 3.32K 1/8W F	OB882290A	4P Connector (1)	
	Logic P.C.B. Ass'y	C60701254	R413	OB23053A	RK 150 1/8W J	OB882290B	7P Connector (1)	
	Logic P.C.B. Ass'y		R407	OB23051A	RK 120 1/8W J	OB882290B	2P Coupler (1)	
	Logic P.C.B. Ass'y		R408	OB23073A	RK 1K 1/8W J	OB882307C	7P-H Connector (1)	
	Logic P.C.B. Ass'y		R410	OB23085A	RK 200 1/4W J	OB882309B	8P-H Connector (1)	
	Logic P.C.B. Ass'y		R411,414	OB23097A	RK 150 1/8W J	OB882334A	3P Connector (1)	
	Logic P.C.B. Ass'y		R416	OB23119A	RK 82K 1/8W J	OB882336A	6P Connector (1)	
	Logic P.C.B. Ass'y		R417	OB23109A	RK 33K 1/8W J	OB90019A	SD Binder (1)	
	Logic P.C.B. Ass'y		R418	OB23021A	RK 6.8 1/8W J	OB900174A	Earth Lug B-4 (4)	
IC601,602	OB11063A	IC μ PD4001BG	C401,402	OB09292A	CC 0.1u 50V Z	OB881272B	4P Terminal Male	
IC603	OB11061A	IC LM6413E-503					TD-700D (1)	
IC604	OB10048A	IC STA401A	408				TD-700D (1)	
Q603,612	OB14153A	TR FN1A4M	C409	OB43054A	CC 0.1u 50V Z	OB881273B	4P Terminal Female	
Q604,613	OB14047A	TR FA1A4M	C410,409	OB40206A	CE 100u 16V	OB881268B	4P Terminal Male	
Q605	OB14149A	TR FA1L4M	C405	OB40800A	CE 33u 16V		TD-700D (1)	
Q606,609	OB14146A	TR FA1L4M	C406,407	OB43025A	CT 1u 16V		TD-700 & TD-700E (1)	
610	OB14146A	TR FA1L4M	C410,415	OB40163A	CE 22u 16V	BA05501A	Line Filter P.C.B. (1)	
Q607,608	OB14151A	TR FN1L4M	C411	OB43051A	CC 2200P 50V K	BA05497A	Transistor P.C.B. (1)	
Q611	OB14022A	TR 2SC1623	C412	OB43028A	CT 3.3u 16V		Ass'y	
Q613	OB14144A	TR FA1A4M	C414	OB43020A	CT 10u 10V		Ass'y	
ZD623	OB13024A	RLZ8.2CTE-11						
D601-621	OB13064A	SD MA221 (23)			— Reset —			
624,627								
X601	OB02307A	Crystal 800kHz	Q501,502	OB14022A	TR 2SC1623			
R605,620	OB24035A	RF 180 1/2W J	Q503	OB14153A	TR FN1A4M			
653			Q504	OB14027A	TR 2SA812			
R606	OB24041A	RF 56 1/2W J	R501	OB23085A	RK 200 1/8W J			
R607,608	OB09907A	RF 100 1/2W J	R502	OB23085A	RK 2.2K 1/8W J			
R609,610	OB23057A	RF 220 1/8W J	R504	OB23081A	RK 2.2K 1/8W J			
611,612			R505	OB23107A	RK 27K 1/8W J			
R613	OB23059A	RK 270 1/8W J	R506	OB23097A	RK 10K 1/8W J			
R614	OB23073A	RK 1K 1/8W J	R507	OB23129A	RK 220K 1/8W J			
R615,615	OB23097A	RK 10K 1/8W J	C501	OB40162A	CE 10u 16V			
622,626			C502	OB43023A	CT 0.47u 16V			
627,628					— Tuner —			
629,632								
633,634								
636,6354								
R616,640	OB23081A	RK 2.2K 1/8W J	Q301,302	OB14022A	TR 2SC1623			
641,655			304,305					
R617,623	OB23121A	RK 100K 1/8W J	Q803	OB14148A	TR FA1L4M			
624,634			L301	OB81100A	Micro Coll 2.2uH			
636,636			L302	OB1011A	Micro Coll 4.7uH			
637			Q301,308	OB23097A	RK 10K 1/8W J			
R618	OB21001A	R-Network 100Kx6	311,316					
R622,638	OB23145A	RK 1M 1/8W J	C302,304	OB23073A	RK 1K 1/8W J			
R630	OB23089A	RK 4.7K 1/8W J	305,309					
645-650			(7) 319					
R641	OB23089A	RK 12K 1/8W J	R306	OB23085A	RK 4.7K 1/8W J			
R649	OB23133A	330K 1/8W J	R308	OB23085A	RK 3.3K 1/8W J			
R642	OB23129A	RK 220K 1/8W J	R307	OB23061A	RK 330 1/8W J			
R643,644	OB23085A	RK 3.3K 1/8W J	R310	OB23041A	RK 47 1/8W J			
R652	OB24040A	RF 150 1/2W J	R312,313	OB23121A	RK 100K 1/8W J			
C601,602	OB4048A	CC 220P 50V K	315,317					
C603	OB40163A	CE 22u 16V	R314	OB23109A	RK 33K 1/8W J			
C604	OB40228A	CT 3.3u 16V			(except for U.S.A. & Canada)			
C605	OB40300A	CT 0.33u 35V						
C606,607	OB23025A	CT 1u 16V		OB23117A	RK 68K 1/8W J			
SW1-5	OB70018A	Push Switch			(U.S.A. & Canada)			
SW6	OB70021A	Slide Switch	R318	OB96653A	RK 100 1/6W J			
SW7	OB70019A	Push Switch	R320	OB23101A	RK 15K 1/8W J			
CN4	OB81025A	2P-T Post	C301,302	OB40162A	CE 10u 16V			
FFC1	OB81279A	15P FFC Connector	C303	OB43050A	CC 1000P 50V K			
			C304	OB40280A	CT 4.7K 16V			
			C305	OB44044A	CT 0.01u 50V J			
			C306	OB40305A	CE 0.047u 50V K			
			C307	OB40162A	CE 2.2K 16V			
			C308	OB43025A	CT 1u 16V			
			C309	OB40279A	CT 3.3u 16V			
			C310	OB43035A	CT 0.15u 35V			
			C311	OB43047A	CC 100P 50V K			
			C312	OB41082A	CC 1000P 50V J			
			C313	OB40162A	CE 0.01u 50V K			
			C314	OB91005A	AM Pack (1)			
				OB91006A	Front-end TD-700 (Australia & Others), TD-700E & TD-700D			
IC401,402	OB11034A	IC LA5005H						
Q402,403	OB14027A	TR 2SA812						
404								
Q406,408	OB14022A	TR 2SC1623						
409								
Q409,410	OB10017A	TR 2SA1244 (Y)						
Q411,412	OB14153A	TR FN1A4M						
Q411,412	OB14144A	TR FA1A4M						
ZD407	OB13014A	ZD 6V						
ZD408	OB14121A	PLZ6.2BTE-11						
ZD411	OB13026A	ZD 2.7V						
		RD2.7MB-T1A						
		ZD 9V						
		RLZ9.1BTE-11						



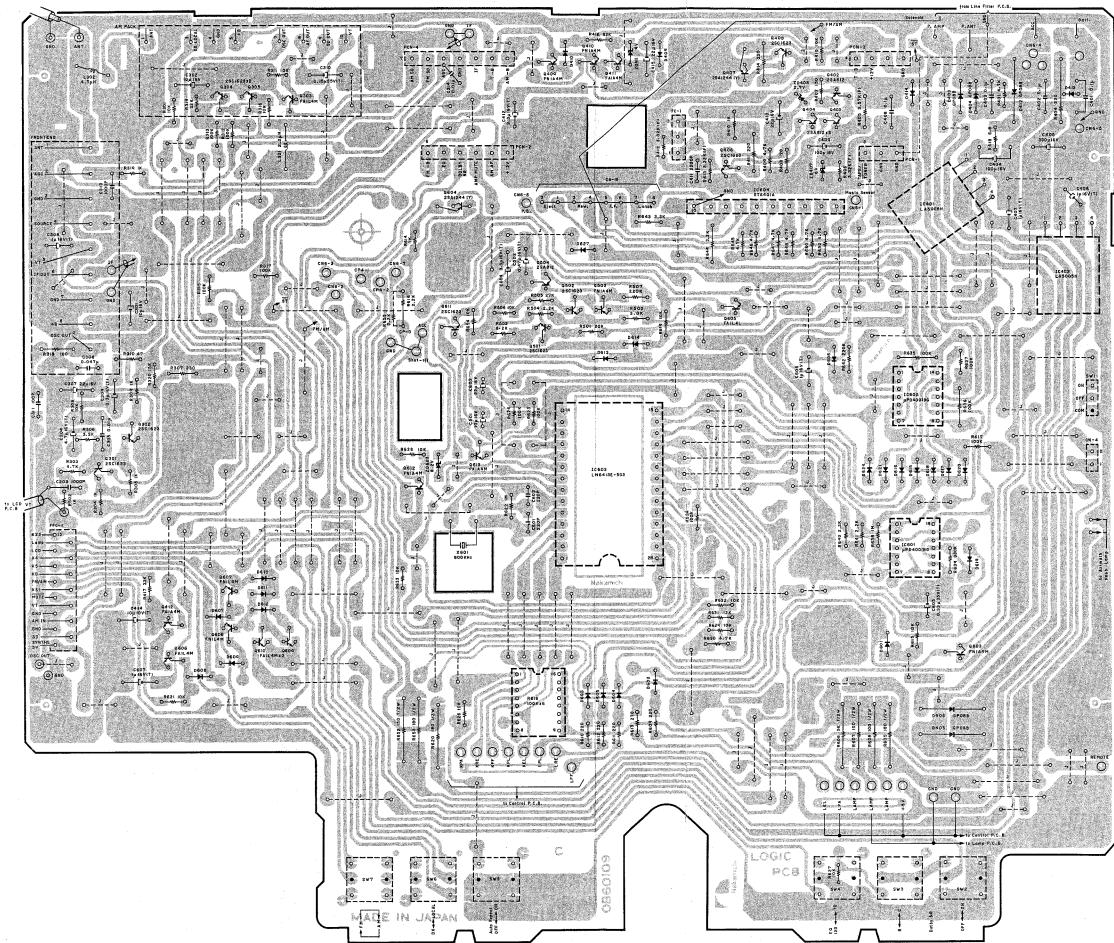


Fig. 8.13.3 C60501001 - 03398 (TD-700 & TD-700E)
C60701001 - 01250 (TD-700D)

9. SCHEMATIC DIAGRAMS

9.1. IC Block Diagrams

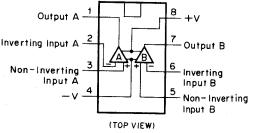


Fig. 9.1.1 Operational Amp. IC NJM455
NJM072, LF353N

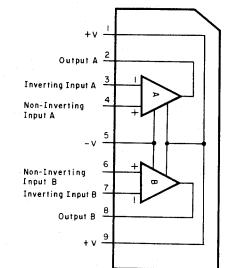
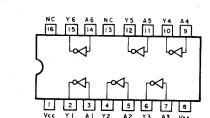


Fig. 9.1.2 Operational Amp. IC NJM072S-E



(TOP VIEW)

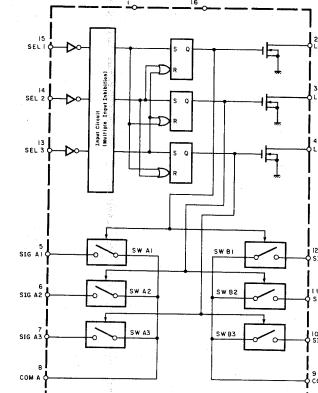
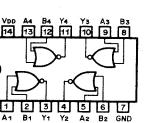
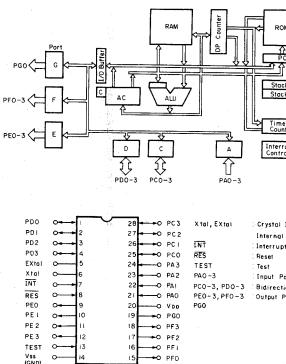
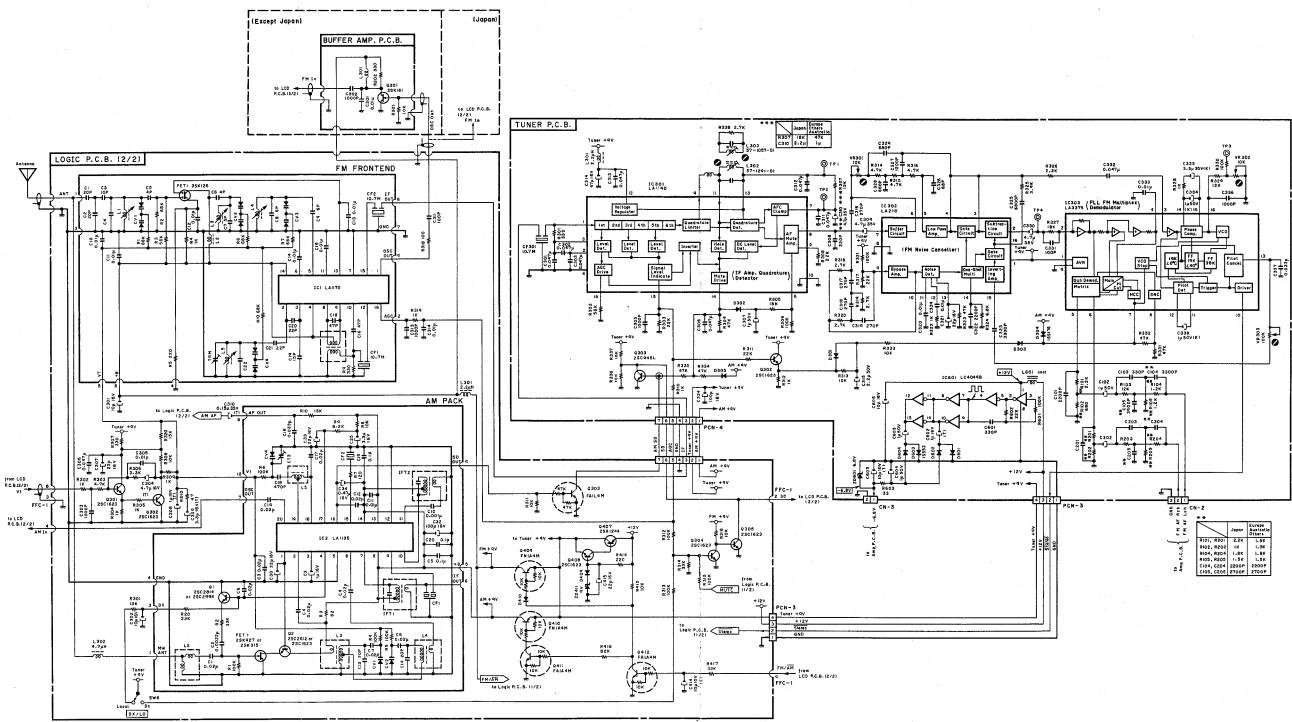


Fig. 9.1.5. A model of the human eye.



(TOP VIEW)

9.2. Schematic Diagrams
(1) Tuner Section



Notes: 1. Diode is MA221 or RLS-73 unless otherwise specified.
2. 2SC945, 2SC536SP, 2SC2458 and 2SC2785 are interchangeable with each other.

10. WIRING DIAGRAMS

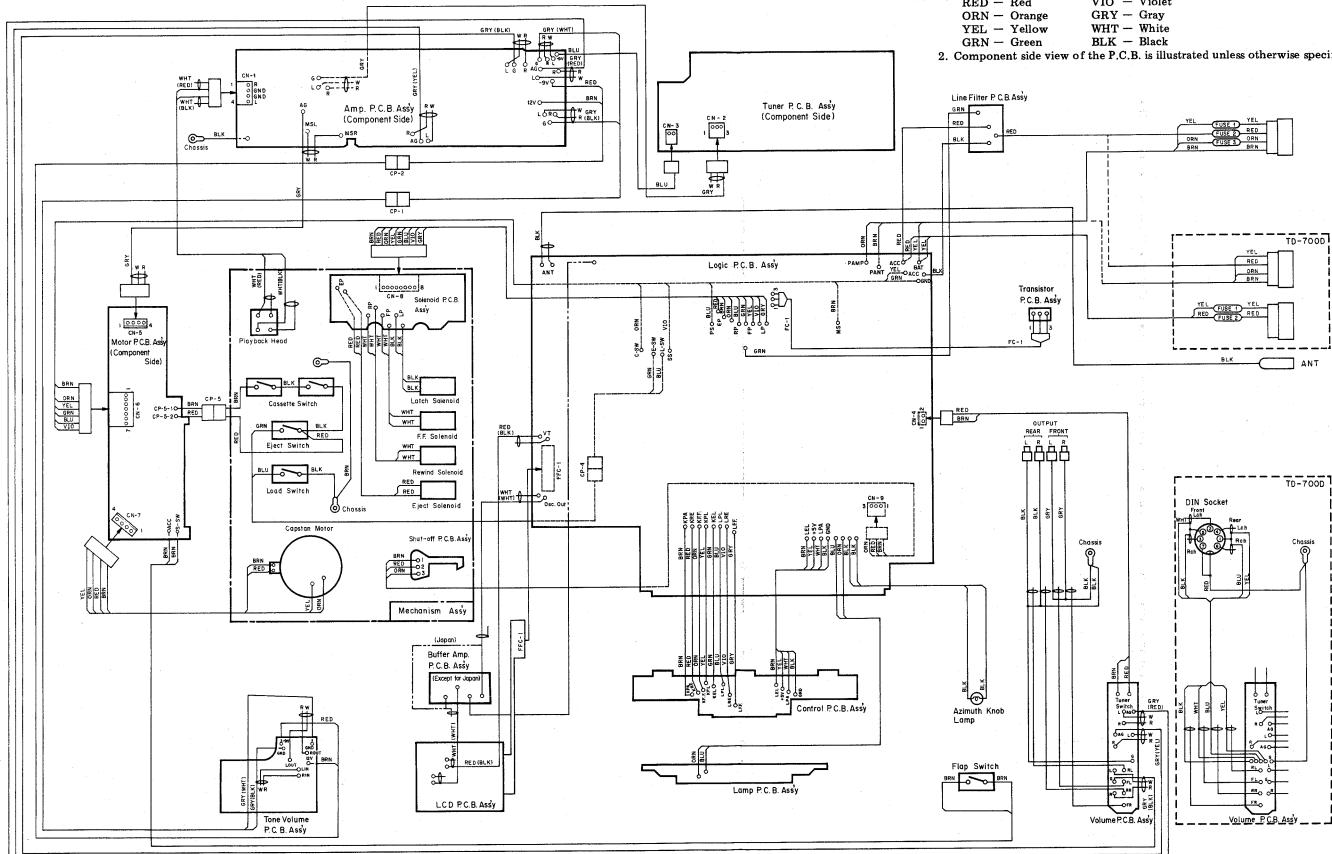


Fig. 10.1 C60503399 - (TD-700 & TD-700E)
C60701301 - (TD-700D)

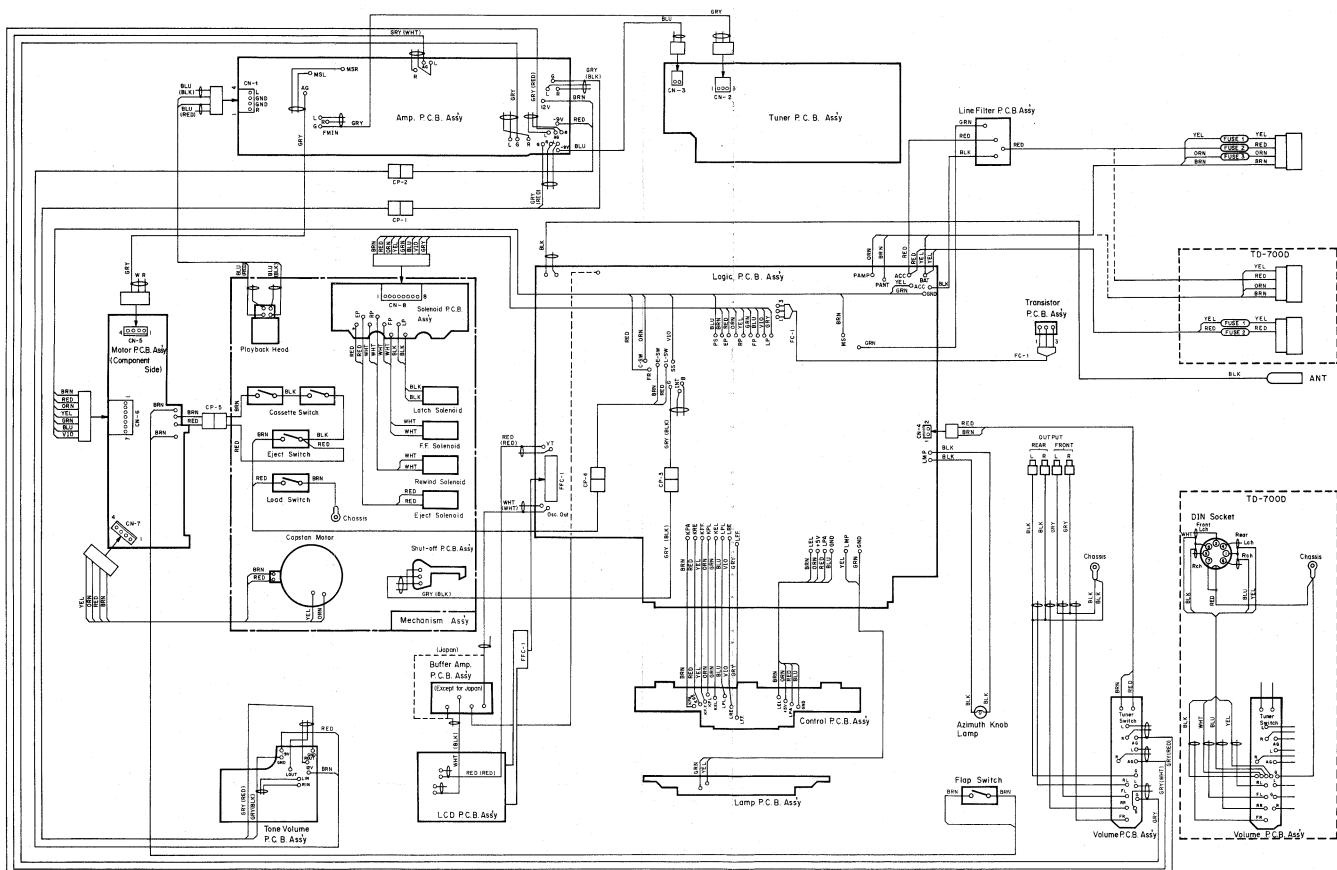


Fig. 10.2 C60501001 - 03398 (TD-700 & TD-700E)
C60701001 - 01300 (TD-700D)

11. TIMING CHART

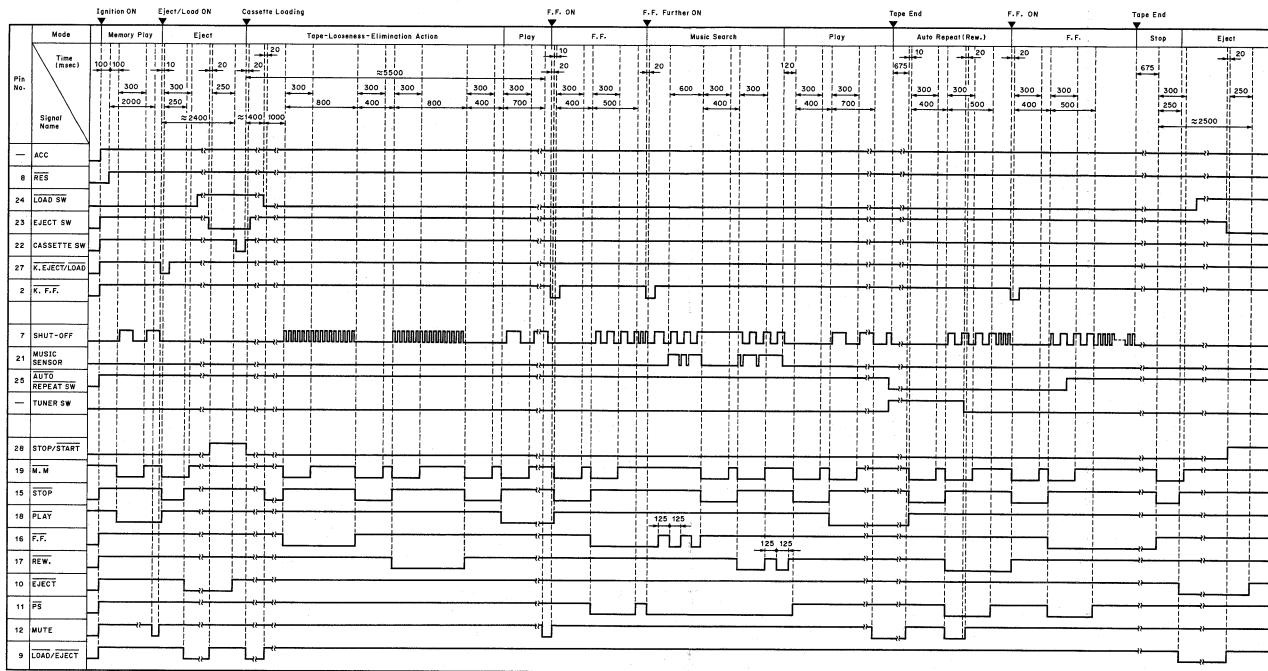


Fig. 11

12. BLOCK DIAGRAMS

12.1. Tuner and Amplifier Section

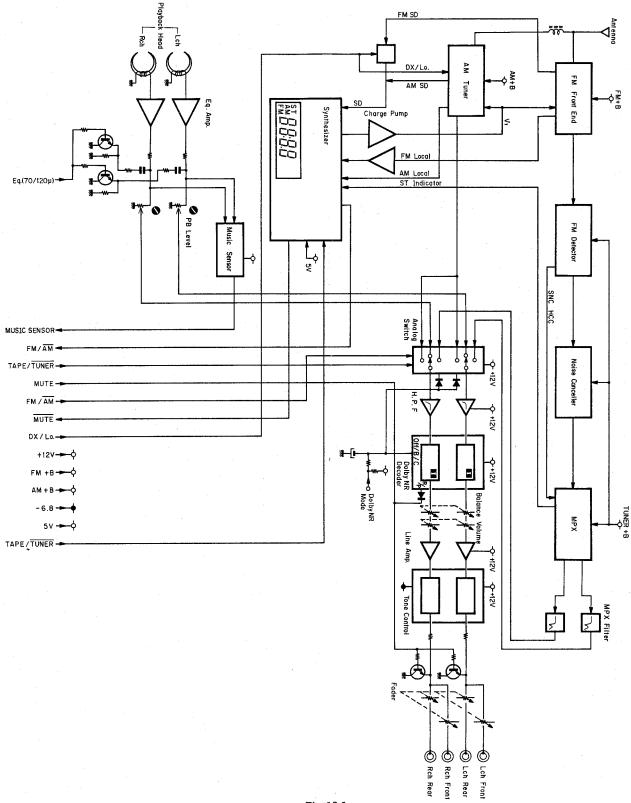


Fig. 12.1

12.2. Mechanism Control Section

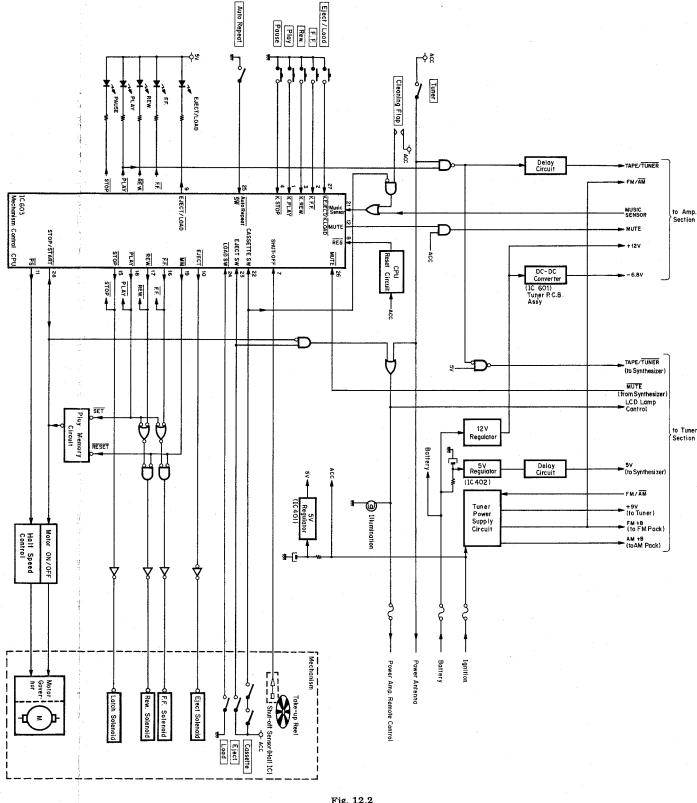
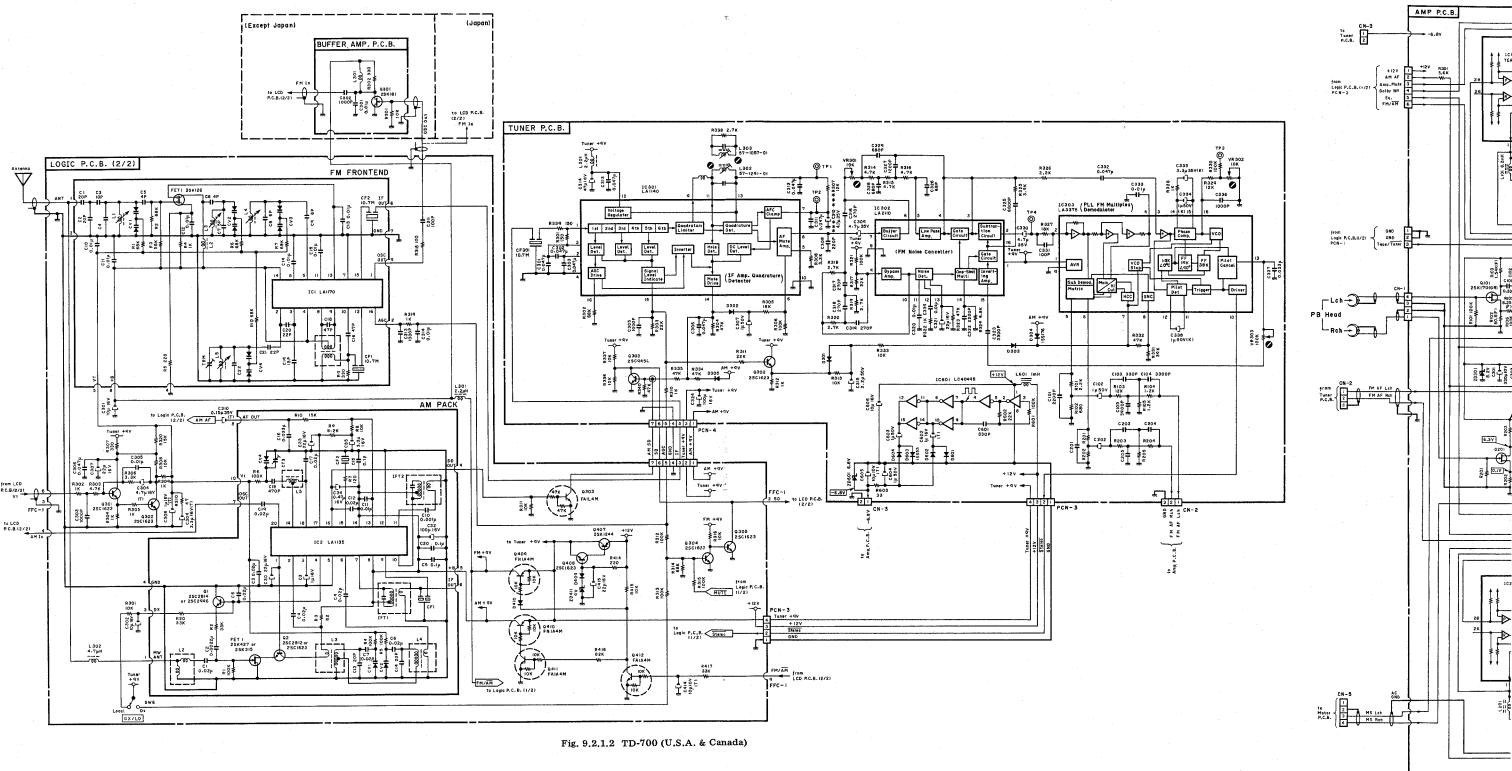


Fig. 12.2

(2) Amplifier Section



(2) Amplifier Section

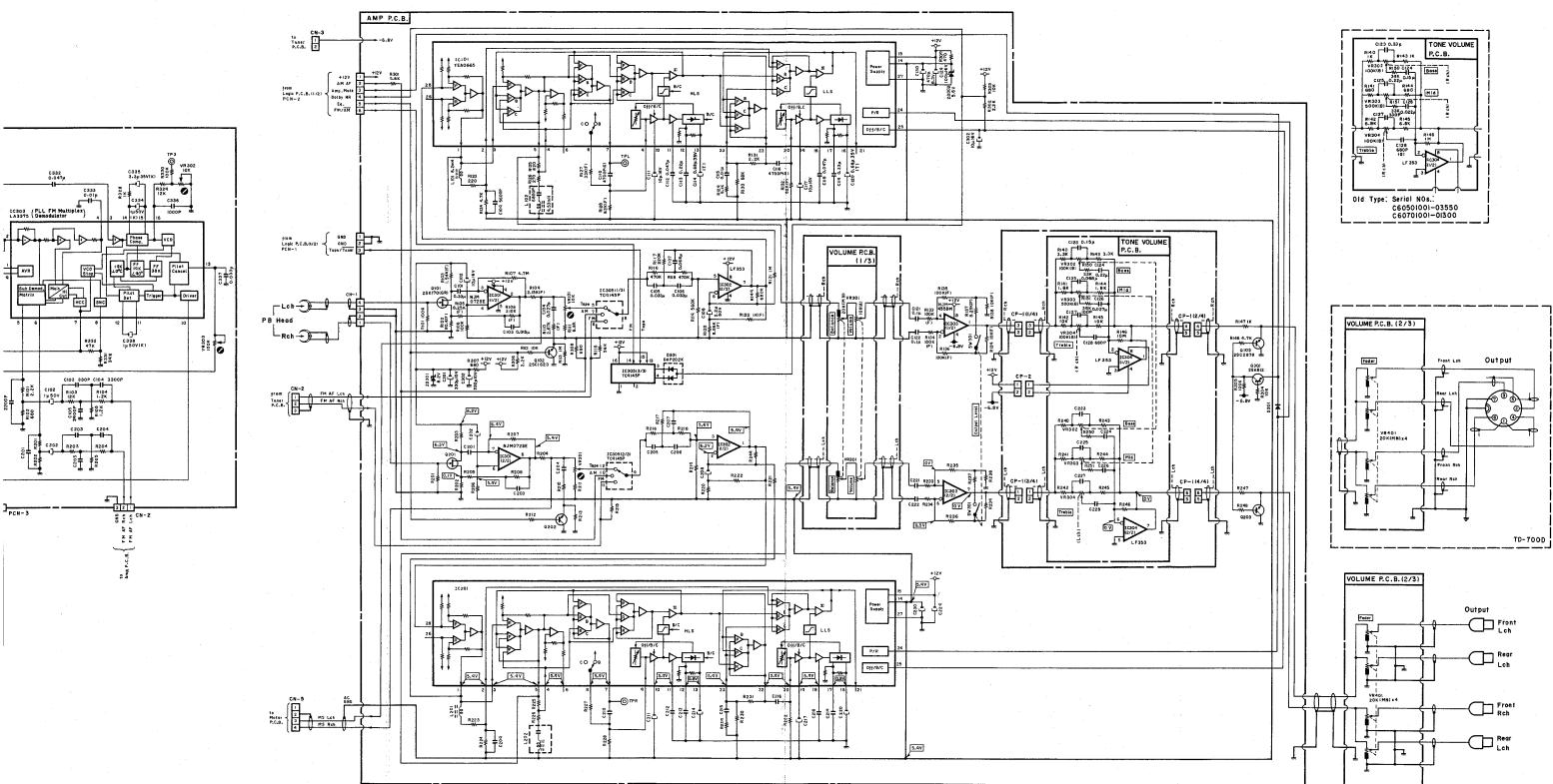


Fig. 9.2.2

otherwise specified.
2SC2785 are interchangeable with each other.

(3) Mechanism Control Section

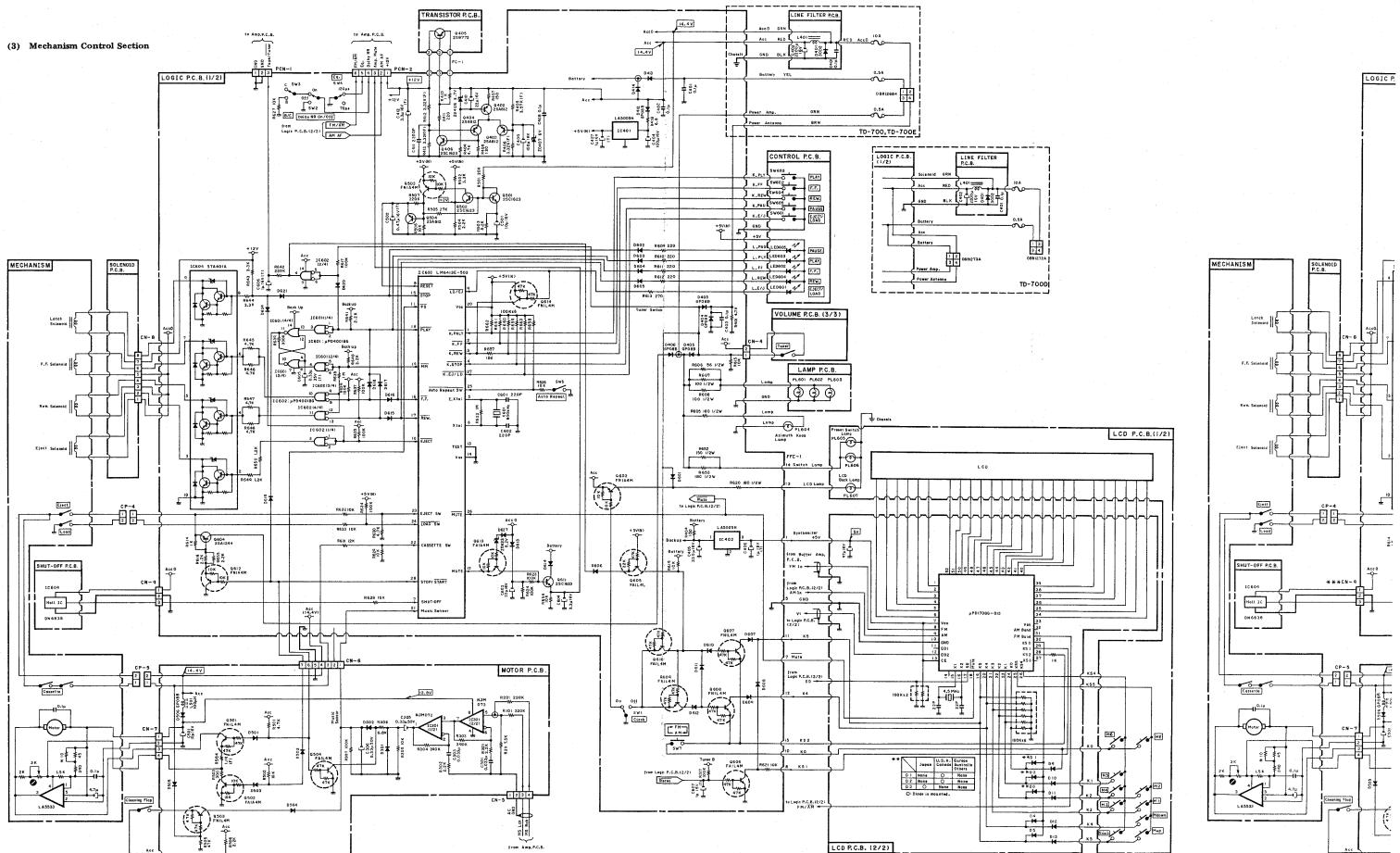
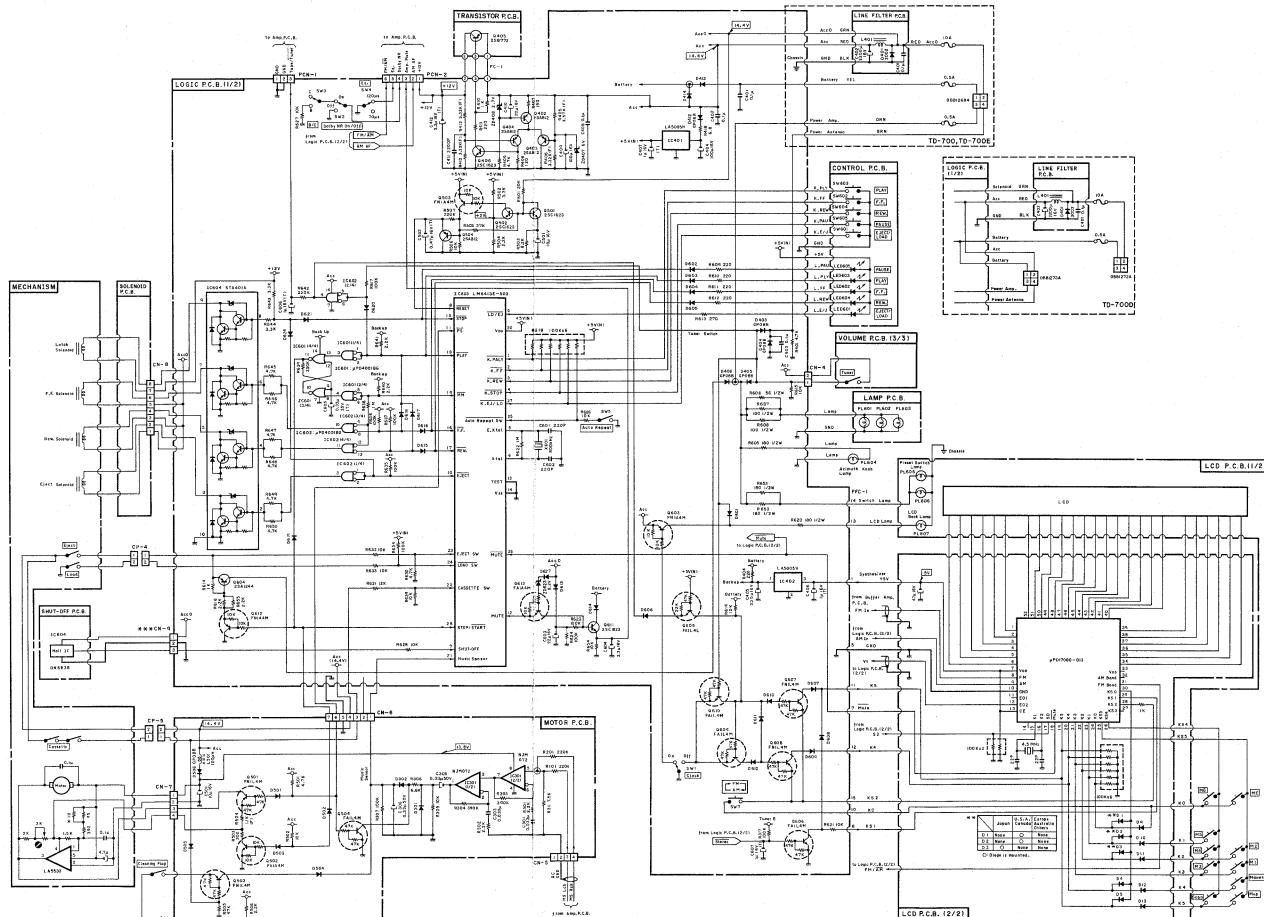
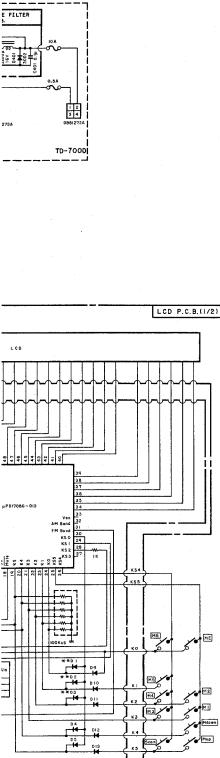


Fig. 9.2.3.1 C60504101 - (TD-700 & TD-700E)



***: 3P coupler (CP-3) is used for the Models bearing the following serial Nos. instead of CN-9:
 C60501001 - 03398 (TD-700 & TD-700E) & C60701001 - 01250 (TD-700D)

Fig. 9.2.3.2 C60501001 - 04100 (TD-700 & TD-700E)
 C60701001 - (TD-700D)

13. SPECIFICATIONS

● Cassette Deck Section

Tape Speed	1-7/8 ips (4.8 cm/sec.)
Wow and Flutter	Less than 0.05% WTD RMS
	Less than $\pm 0.1\%$ WTD Peak
Frequency Response	20-21,000 Hz ± 3 dB (Nakamichi Test Tape)
Signal to Noise Ratio	Dolby C-Type NR On $<70 \mu\text{s}$, ZX Tape> Better than 70 dB (400 Hz, 3% THD, IHF A-WTD RMS)
	Dolby B-Type NR On $<70 \mu\text{s}$, ZX Tape> Better than 64 dB (400 Hz, 3% THD, IHF A-WTD RMS)
Channel Separation	Better than 34 dB (1 kHz, 0 dB)
Crosstalk	Better than 60 dB (1 kHz, 0 dB)
Winding Time (Fast Forward/Fast Reverse)	Approx. 75 sec. (with C-60 cassette)

● Tuner Section

—FM—

Frequency Range	87.5-107.9 MHz
Sensitivity	18 dBf (IHF)
50 dB Quieting Sensitivity	20 dBf (Mono)
Total Harmonic Distortion	0.15% (Mono 1 kHz) Input 65 dBf 0.3% (Stereo 1 kHz) Input 65 dBf
S/N Ratio	65 dB (Mono)
Frequency Response	30-15,000 Hz ± 3 dB
Alternate Channel Selectivity	65 dB (± 400 kHz)
Capture Ratio	2 dB
Image Rejection at 98 MHz	55 dB
IF Rejection at 98 MHz	80 dB
Stereo Separation	35 dB (1 kHz) at 65 dBf
Antenna Terminals	75 ohms (unbalanced)

—AM—

Frequency Range	530-1620 kHz
Sensitivity	33 dB μ

● Preamplifier Section

Frequency Response	10-50,000 Hz ± 1 dB
Output Level/Impedance	0.35 V (Low) or 1.1 V (High)/1 kohms
Total Harmonic Distortion	Less than 0.005%
Tone Control	
Bass	20 Hz ± 18 dB
Mid	200 Hz ± 10 dB
Treble	20 kHz ± 12 dB

Dimensions	178 (W) x 50 (H) x 165 (D) mm 7 (W) x 2 (H) x 6-1/2 (D) inches
Approximate Weight	1.9 kg/4 lb. 3 oz.
Power Source	14.4 V DC negative ground (10.8-15.6 V allowable)

- Specifications and appearance design are subject to change for further improvement without notice.
- Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.
- The word "DOLBY" and the Double-D-Symbol are trademarks of Dolby Laboratories Licensing Corporation.